

EASTERN
NEW MEXICO
UNIVERSITY

• PORTALES •



UNDERGRADUATE CATALOG

2001-2003

EASTERN NEW MEXICO UNIVERSITY
PORTALES, NEW MEXICO 88130
(505) 562-1011
<http://www.enmu.edu>



A MESSAGE FROM THE PRESIDENT

Welcome to Eastern New Mexico University. We are pleased to have you as a member of our learning community. Eastern is committed to providing a strong liberal arts educational experience incorporating a traditional learning environment with twenty-first century technology. While we offer a whole student life experience, we also provide distance learning opportunities. Eastern is also proud of its strong teaching/learning focus. We are committed to providing quality education in and out of the classroom and preparing students for their careers, for advanced studies, and for becoming productive citizens. Eastern also provides social, artistic, and athletic activities. We encourage students to become involved and active in campus life and governance and hope you will take advantage of all the opportunities the University has to offer.

UN MENSAJE DEL PRESIDENTE:

Bienvenido a *Eastern New Mexico University*. Nos complace mucho que usted haya elegido ser miembro de nuestra comunidad académica. *Eastern* se ha comprometido a proporcionarle una experiencia educativa con una base fuerte en las artes liberales, la cual incorpora un ambiente académico tradicional y el acceso a la más reciente tecnología del siglo 21. A la vez que ofrecemos una experiencia estudiantil enfocada en el alumno como individuo, también proveemos oportunidades de aprendizaje a distancia. Además, estamos muy orgullosos de nuestro fuerte enfoque en la enseñanza y el aprendizaje. Nos comprometemos a mantener la más alta calidad académica tanto dentro como fuera del salón de clase, y nos empeñamos a prepararles a nuestros alumnos para sus carreras profesionales, para los estudios avanzados, y para que lleguen a desarrollarse como ciudadanos productivos. *Eastern* ofrece también actividades sociales, artísticas y deportivas. Alentamos a nuestros estudiantes a participar activamente en la vida universitaria y en la gobernación de esta institución. Esperamos que usted aproveche de todas las oportunidades que le ofrece esta universidad.



CONTENTS

University Accreditation	3
University Calendar	4
General Information	6
Admissions	9
Tuition and Fees	13
Financial Aid	15
Scholarships	15
Student Services and Activities	16
Academic Regulations	20
Degree Programs.	27
General Degree Requirements	28
General Education Requirements	30
Academic Abbreviations.....	29
College of Business	34
College of Education and Technology	39
Education	39
Family, Consumer Sciences, and Agriculture	47
Health and Physical Education	51
College of Fine Arts	53
Art	54
Music	57
Theatre and Dance	62
College of Liberal Arts and Sciences	64
Allied Health Unit	
Allied Health Sciences Programs	66
Communicative Disorders	68
Nursing	69
Anthropology and Applied Archaeology	71
Biology	72
Communicative Arts and Sciences	75
History and Humanities	79
Interdisciplinary Programs	81
Languages and Literature	83
Mathematical Sciences	85
Physical Sciences	89
Political Science	97
Psychology, Sociology and Criminal Justice	98
Religion	102
Course Descriptions	103
University Organization	146
Administration	147
Faculty and Professional Staff.....	149
Index	157
University Map	160

ACCREDITATION AND AFFILIATIONS

Eastern New Mexico University is accredited by The Higher Learning Commission and a member of the North Central Association of Colleges and Schools, 30 North LaSalle Street, Suite 2400, Chicago, Illinois 60602-2504, (800) 621-7440. In addition, specific programs within the university hold accreditations by the following: the American Speech Language and Hearing Association, the National Council for Accreditation of Teacher Education, and the Association of Collegiate Business Schools and Programs. Eastern New Mexico University is an accredited institutional member of the National Association of Schools of Music. The chemistry program is approved by the American Chemical Society as meeting the Society's program criteria. Eastern's geology program is recognized by the American Institute of Professional Geologists as meeting/exceeding guidelines for undergraduate programs in geology. The Bachelor of Science in Nursing Completion Program is accredited by the National League of Nursing.

MEMBERSHIPS

The University is a member of the American Association of Colleges for Teacher Education, the American Association for Higher Education, the American Association of State Colleges and Universities, the Association of American Colleges and Universities, Council of Graduate Schools, the North American Association of Summer Sessions, and the Western Association of Graduate Schools. The University is designated as a Hispanic Serving Institution by the United States Department of Education; a full member of the Hispanic Association of Colleges and Universities, and a Carnegie/Ford/AAC&U "Greater Expectations" best practices institution. The College of Business is a member of the American Assembly of Collegiate Schools of Business.

TITLE IX STATEMENT

Eastern New Mexico University is an affirmative action and equal opportunity employer. The University does not discriminate on the basis of age, race, color, national origin, sex, or disability in its programs, activities or employment. Persons seeking additional information about the University's nondiscrimination policy should contact the Director of Human Relations/Affirmative Action Officer, ENMU Station #2, Portales, NM 88130.

RELEASE OF STUDENT INFORMATION POLICY

If a student fails to maintain his/her financial obligation to the university or violates non-academic regulations, ENMU may withhold grade reports, transcripts, and statements of student status. Also see the "Family Privacy Act" information on page 11 of this catalog.

Since programs, policies, statements, fees, University calendar dates and/or courses contained herein are subject to continuous review and evaluation, the University reserves the right to make changes at any time, through appropriate administrative procedure, without prior notice.

The information contained within this catalog is a description of programs and courses active at the time of publication. The catalog is not intended to be construed as contractual in nature.

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UNIVERSITY CALENDAR

Fall 2001

August 23 (Th)	New Faculty Orientation
August 24 - 26 (F-Su)	Green and Silver Breakthrough
August 24 (F)	Faculty/staff breakfast
August 27 (M)	Instruction begins
August 27 - August 31 (M-F)	Late registration and drop/add at the Registrar's Office. Office open 8:00 a.m to 7:00 p.m. on Mon./Tues. August 27/28). Normal hours Wed.-Fri. (Aug. 29-31).
September 3 (M)	Labor day Holiday
September 4 (T)	Registration cancelled for non-payment
September 5 - 6 (W-Th)	Reinstatement of classes with \$50 late fee
September 14 (F)	Last day to apply for Fall graduation
September 28 (F)	Last day to withdraw from 8-week classes
October 15 - 19 (M-F)	Midterm exams
October 24 (W)	Assessment Day
October 29 (M)	Advising for Spring Pre-Registration begins
November 2 (F)	Last day to withdraw from a class or from the university
November 4 (Su)	Spring registration for currently enrolled student begins
November 21 (W)	Thanksgiving recess begins (5:00 pm)
November 26 (M)	Instruction resumes (8:00 am)
December 7 (F)	Last day of instruction
December 7 - 14 (Sa-F)	Final Exams
December 14 (F)	Last day of semester
December 15 (Sa)	Fall Commencement

Spring 2002

January 11 (F)	New student activities
January 14 (M)	Instruction begins
January 14 (M)	Begin drop/add, late registration
January 18 (F)	Last day for drop/add, late registration
January 18 (F)	Registration cancelled for non-payment
January 21 (M)	Martin Luther King Day Observed
February 8 (F)	Last day to apply for Spring graduation
February 8 (F)	Last day to withdraw from 8-week classes
March 4 - 8 (M-F)	Midterm exams
March 15 (F)	Spring recess begins (5:00 pm)
March 25 (M)	Instruction resumes (8:00 am)
March 29 (F)	Last day to withdraw from a class or from the university
April 3 (W)	Assessment Day
April 7 - 25	Fall sequenced registration for currently enrolled
April 26 - August 22	Continuous registration and drop/add for fall
May 3 (F)	Last day of instruction
May 4-10 (Sa-F)	Final exams
May 10 (F)	Last day of semester
May 11 (S)	Commencement

Summer 2002

April 25 - June 5	Continuous registration for summer school (any session)
May 27 (M)	Memorial Day holiday
May 31 (F)	New Student Activities
June 3 - June 28	First four week session
June 3 - July 26	Eight week session
June 3-5 (M-W)	Late Registration and drop/add for 1st four-week and eight-week sessions
June 14 (F)	Last day to withdraw from any 1st four-week session course
June 14 (F)	Last day to apply for summer graduation
June 27 - 28 (Th-F)	Final exams for 1st four-week session
June 28 (F)	Last day to withdraw from any eight-week session course
July 1 (M)	Registration and first day of class for 2nd four-week session
July 1-3 (M-W)	Late registration and drop/add for 2nd four-week session
July 1 - 26	2nd four-week session
July 4 (Th)	Independence Day holiday
July 12 (F)	Last day to withdraw from any 2nd four-week session course
July 25 - 26 (Th-F)	Final examinations for eight-week and 2nd four-week session

UNIVERSITY CALENDAR

Fall 2002

August 22 (Th)	New Faculty Orientation
August 23 - 25 (F-Su)	Green and Silver Breakthrough
August 23 (F)	Faculty/staff breakfast
August 26 (M)	Instruction begins
August 26 - August 30 (M-F)	Late registration and drop/add at the Registrar's Office. Office open 8:00 a.m. to 7:00 p.m. on Mon./Tues. August 27/28). Normal hours Wed.-Fri. (Aug. 29-31).
September 2 (M)	Labor day Holiday
September 3 (T)	Registration cancelled for non-payment
September 4 - 5 (W-Th)	Reinstatement of classes with \$50 late fee
September 13 (F)	Last day to apply for Fall graduation
September 27 (F)	Last day to withdraw from 8-week classes
October 14 - 18 (M-F)	Midterm exams
October 23 (W)	Assessment Day
October 28 (M)	Advising for Spring Pre-Registration begins
November 1 (F)	Last day to withdraw from a class or from the university
November 3 (Su)	Spring registration for currently enrolled student begins
November 27 (W)	Thanksgiving recess begins (5:00 pm)
December 2 (M)	Instruction resumes (8:00 am)
December 6 (F)	Last day of instruction
December 7 - 13 (Su-F)	Final Exams
December 13 (F)	Last day of semester
December 14 (Sa)	Fall Commencement

Spring 2003

January 10 (F)	New student activities
January 13 (M)	Instruction begins
January 13 (M)	Begin drop/add, late registration
January 14 (T)	Registration cancelled for non-payment
January 17 (F)	Last Day for drop/add, late registration
January 20 (M)	Martin Luther King Day Observed
February 7 (F)	Last day to apply for Spring graduation
February 7 (F)	Last day to withdraw from 8-week classes
March 3 - 7 (M-F)	Midterm exams
March 14 (F)	Spring recess begins (5:00 pm)
March 24 (M)	Instruction resumes (8:00 am)
March 31 (M)	Last day to withdraw from a class or from the university
April 2 (W)	Assessment Day
April 5 - 24	Fall sequenced registration for currently enrolled
April 25 - August 21	Continuous registration and drop/add for fall
May 2 (F)	Last day of instruction
May 3-9 (Su-F)	Final exams
May 9 (F)	Last day of semester
May 10 (S)	Commencement

Summer 2003

April 24 - June 4	Continuous registration for summer school (any session)
May 26 (M)	Memorial Day holiday
Mat 31 (Sa)	New Student Activities
June 2 - June 27	First four week session
June 2 - July 25	Eight week session
June 2-4 (M-W)	Late Registration and drop/add for 1st four-week and eight-week sessions
June 13 (F)	Last day to withdraw from any 1st four-week session course
June 13 (F)	Last day to apply for summer graduation
June 26 - 27 (Th-F)	Final exams for 1st four-week session
June 27 (F)	Last day to withdraw from any eight-week session course
June 30 (M)	Registration and first day of class for 2nd four-week session
June 30 - July 2 (M-W)	Late registration and drop/add for 2nd four-week session
June 30 - July 25	2nd four-week session
July 4 (F)	Independence Day holiday
July 11 (F)	Last day to withdraw from any 2nd four-week session course
July 24 - 25 (Th-F)	Final examinations for eight-week and 2nd four-week session

EASTERN NEW MEXICO UNIVERSITY

THE MISSION

Eastern New Mexico University combines a traditional learning environment with twenty-first century technology to provide a rich educational experience. Eastern emphasizes liberal learning, freedom of inquiry, cultural diversity, and whole student life. Excellent teaching and active learning define campus relationships. Scholarship, both primary and applied, cultural enrichment, and professional service are also important contributions of the University community.

Eastern, a state institution offering bachelor's and master's degrees, serves students from New Mexico, other states, and other nations. Educational programs are offered at the Portales campus and also by interactive distance education, public broadcast television, a branch/community college in Roswell, New Mexico, and a university center in Ruidoso, New Mexico.

EASTERN'S FOCUS:

- Prepare students for careers and advanced study,
- Impart citizenship and leadership skills and values,
- Support and expand the role of education and excellent teaching at all levels, and,
- Enable citizens to respond to a rapidly changing world.

VISION STATEMENT

By the year 2007, Eastern New Mexico University, Portales, will be an institution totally centered around student learning and student development through engaged learning in academic and non-instructional settings which will significantly improve student success in achieving academic, citizenship and career goals.

We will know when this goal is achieved by measuring:

- When self-study and external evaluation indicate there is a clear, single set of commonly understood institutional outcomes known among all ENMU employees;
- When there is evidence that all staff members honor and pursue not only their own discipline or assignment outcomes, but also the common institutional outcomes;
- When these result in improved student success indicated by student persistence and completion rates equivalent to those achieved at the average, upper quartile, comprehensive, regional university.
- When these result in improved rates of student placement in graduate studies or baccalaureate career paths equivalent to those achieved at the average, upper quartile, comprehensive, regional university.

- When the expectations for faculty development, retention, promotion and tenure will include the recognition that engaged education is a scholarly process and that the broad range of scholarly pursuits related to student need, discipline needs and institutional outcomes are acceptable activities for peer and administrative recognition.
- When the roles of all staff are understood to be fundamental to and integrated with the student centered mission of the university and are respected as such.

STRATEGIC PLANNING

The Mission Statement identifies what the University does, and the Vision Statement articulates a future direction. The vision for Eastern includes the integration of a traditional, residential liberal arts university with new technologies and distance learning. To maintain its Mission and to achieve its Vision, the University has identified six institutional priorities. These institutional priorities are Curriculum and Academic Programs, Quality Teaching and Learning, Whole Student Life, Technology, Enrollment Management, Distance Education, and Whole Employee Life. To achieve these institutional priorities, the University has identified a number of goals. These goals will be achieved through action plans, foundation plans, and the allocation of University fiscal resources and personnel. Eastern will continually review and expand its Strategic Plan, resulting in a campus that uses its resources in a planned and purposeful way.

For more information on the Eastern New Mexico University Strategic Plan, contact the Office of Planning and Analysis, ENMU Station 2, Portales, NM, or phone (505) 562-2315.

HISTORY

Although it is the youngest state university in New Mexico, ENMU looks with pride upon its accomplishments since the dream of having a university in eastern New Mexico first arose many decades ago.

The Legislature of 1927 located the University in Portales, and the Legislature of 1929 approved the first appropriation for buildings. Although the first building was constructed in 1931, its doors were not opened to students until 1934.

The institution operated as a two-year college from 1934 to 1940 when the third and fourth years of college were first offered. ENMU was accredited by the North Central Association of Colleges and Secondary Schools as a four-year liberal arts college in 1946-47. Graduate work leading to the master's degree was added in 1949, and ENMU is also accredited by the National Council for Accreditation of Teacher Education.

Established in 1948, ENMU-Roswell moved to its present facility (formerly Walker Air Force Base) in the fall of 1967. ENMU-Roswell offers a wide variety of programs for students of eastern New Mexico.

The ENMU-Ruidoso Off-Campus Instruction Center opened in 1991. The Center offers both an academic and a vocational curriculum.

LOCATION AND RESOURCES

The ENMU main campus of more than 400 acres is located in Portales on the extreme eastern side of the state, about halfway between the northern and southern boundaries. It is 90 miles northeast of Roswell, 120 miles southwest of Amarillo, Texas, and 120 miles northwest of Lubbock, Texas.

Portales, the county seat of Roosevelt County, has an elevation of 4,000 feet and a population of about 12,800. The climate is considered one of the best in the United States. The winters are dry and mild, the summers pleasant with cool nights. Like most of the Southwest, Portales enjoys bright sunshine year around. Daytime high temperatures in summer are in the 90's, while winter lows are in the 20's. Annual precipitation is about 16 inches, most of which comes in summer thunderstorms.

The valley in which Portales is located is a fertile area excellent for farming and ranching. The entire eastern part of the state produces such crops as Valencia Peanuts, wheat, grain sorghum, corn, alfalfa, Irish and sweet potatoes, and cotton. Dairy, swine, and cattle production are principal industries in the county. Petroleum related industries, grain alcohol distilling, soft drink canners, grain storage and shipping, and trucking are also present in Roosevelt County.

Eastern New Mexico has an interesting and romantic history, including highly significant archaeological aspects. One of the world's most important Paleoindian archaeological sites lies on the plains of eastern New Mexico just seven miles north of Portales. An abundance of artifacts has been found in this area, and it is the consensus of archaeologists that these discoveries tell of life 11,000 to 11,670 years ago. In connection with this area, known as Blackwater Draw Locality No. 1 site, Eastern New Mexico University operates and maintains both the Blackwater Draw National Historic Landmark and the Blackwater Draw Museum. Students learn aspects of museums, museum work, museum studies, archaeology, and anthropology through experiential work here. Eastern also houses the Roosevelt County Museum, the Fred Miles Geological and Archaeological collection, and a natural history museum.

The physical plant of the Eastern-Portales campus has some 84 buildings and structures centered about a pedestrian mall. Scientific research activities are located in Roosevelt

Hall where both transmission and scanning electron microscopes are available for use by faculty and students.

Eastern New Mexico University's Broadcast Center houses three 100,000 watt stations—KENW-TV (Channel 3), KENW-FM (89.5), and KMTH-FM (98.7). Communication majors have hands-on experience in the operation of the stations and work closely with the professional staff. KENW-TV provides both entertaining and educational programming to the general public and to area public schools. The Instructional Television Fixed Service (ITFS) in the Center provides college level classes via closed-circuit cable TV to locations in Clovis, Cannon Air Force Base, Hobbs, Roswell, and Ruidoso. The Broadcast Center also maintains a closed circuit cable system capable of delivering multi-channel video material into each classroom on campus. In addition to the Broadcast Center, a student-operated radio station, KZIA-AM, is located on campus.

Golden Library, with its collection of books, videos, CD's and United States and New Mexico government documents, serves as a resource to the entire region. Automation and networking agreements provide access to many journals and to the resources of most of the world's libraries. The library computer lab provides students with word-processing and presentation software as well as the Internet. Special Collections contains the University Archives, historical photographs, oral histories and the world famous Jack Williamson Science Fiction Library. The Williamson Library features the books, magazines and manuscripts of resident science fiction writer, Jack Williamson, as well as the works of other writers. Golden Library is the repository for the papers of New Mexico's Congressman Harold Runnels. The Library houses over 300 works of art and is used as a laboratory for students learning to mount exhibits and operate an art gallery.

The University Theatre Center houses a 420-seat proscenium theatre and a 250-seat experimental theatre space. Next to it is the University Computer Center, a newly developed facility with modern student computer labs, technologically equipped classrooms, and faculty technology development laboratories.

DISTANCE EDUCATION

Eastern New Mexico University has been a pioneer in distance education with approximately 30 years of experience in alternative delivery systems for educational programs. ENMU began its distance education program by offering courses in other communities, in 1957 and in 1978 the University began offering instruction through educational television. Today, programs are offered in a variety of communities in southeast New Mexico, primarily through interactive instructional television but also by ENMU faculty who drive to distant

sites. Programs feature a variety of delivery mechanisms, both across programs and within courses, depending on the nature and content of individual courses.

The most extensive outreach effort involves ENMU's interactive instructional television. The instructional television system is more than simply an image on a television screen. ENMU's interactive instructional television has created a network of classes in communities in the southeast part of the state connected to a classroom on campus where the professor is present. The instructional television program provides one-way video and two-way audio, allowing students the opportunity to participate in class discussions and activities with students at other sites. Through this system, students can pursue degrees or certificates. Faculty who teach on the instructional television system are highly qualified tenure-track and tenured faculty who have been well trained to teach in the technologically sophisticated distance education system. ENMU's interactive instructional television system uses a trained facilitator at each receive site to assist the faculty member and students. Eastern New Mexico University's commitment to extended learning is campus-wide. Golden Library provides extensive electronic and human support to extended learning students; campus services, such as advising, financial aid, and other support services, are also available to extended learning students.

As part of its commitment to serving the needs of the citizens of New Mexico, Eastern New Mexico University continues to explore new technologies, such as courses on the Internet. Further, ENMU supports the Principles of Good Practice for Electronically Offered Academic Degree and Certificate Programs of the Western Interstate Commission for Higher Education. These efforts are in keeping with a tradition of service to students and communities in New Mexico.

ENMU-ROSWELL

The mission and purpose of Eastern New Mexico University-Roswell are those common to the community colleges and include: (1) offering quality higher education that is comprehensive, accessible, and affordable to meet the lifelong learning needs of the citizens in our service area communities; (2) provide learning-centered academic and technical training programs; (3) establish partnerships which enhance the economic and social development of the region; (4) respond to the needs of our diverse population; and (5) engaging in continuous self-analysis and improvement.

Further information regarding ENMU-R and catalogs can be obtained from the Office of Admissions, ENMU-Roswell, P.O. Box 6000, Roswell, NM 88202-6000, (505) 624-7141.

ENMU-RUIDOSO OFF-CAMPUS INSTRUCTION CENTER

Established during the Fall 1991, the Ruidoso Center is a "limited" community college offering a two-year academic and vocational curriculum. Academic course work completed in the Ruidoso Center will be fully transferable to ENMU-Portales. The Center focuses on courses leading to the Associate of Arts degree in Business and Child Development, Associate of Arts degree in General Studies, Studio Art and Psychology, and Associate of Applied Science in selected vocational majors. The center also offers basic skills courses and some certification programs. Adult basic education, adult literacy and community education courses are also offered, as well as the GED examination and several industry standard computer licenses.

GRADUATE SCHOOL

Graduate study was instituted at Eastern New Mexico University in 1948 and has been fully accredited since 1953. Graduate degrees are offered in Anthropology, Biology (with emphases in Botany, Microbiology, Cell and Molecular Biology, and Zoology), Business Administration, Chemistry (with emphasis in Analytical, Biochemistry, Inorganic, Organic, Physical Chemistry, Chemical Physics, and Geochemistry), Communication (with emphases in Mass Communication and Speech Communication), Communicative Disorders (with an emphasis in Speech-Language Pathology), Counseling, School Guidance, Education (with emphases in Bilingual Education, Educational Administration, Elementary Education, English as a Second Language, General Education, and Reading), English, Mathematics, Physical Education (with emphases in Sport Administration and Sport Science), Psychology, and Special Education. In addition, the following disciplines offer graduate courses: Accounting, agriculture, art, computer information systems, computer science, economics, family and consumer science, finance, French, geography, geology, Greek, Hebrew, history, humanities, management, marketing, music, music education, philosophy, physical science, physics, religion, sociology, Spanish, statistics, technology, theatre, and vocational education.

The programs of study have been carefully selected to serve the purpose of two distinct groups of post-baccalaureate students: (1) those who wish to study for various masters degrees, and (2) those who wish to pursue graduate work without intending to apply credits toward an advanced degree. All inquiries regarding admission to the Graduate School or requests for Graduate Catalogs should be addressed to the Graduate School, Station #9, Quay Hall Room 105, Eastern New Mexico University, Portales, NM 88130, phone (505) 562-2147.

CENTER FOR TEACHING EXCELLENCE

The ENMU Center for Teaching Excellence aims to improve the practice of education in New Mexico. It strives to identify and encourage effective teaching practices and educational programs statewide. To this end, the Center promotes the widespread application of research on teaching excellence through efforts to secure, develop, coordinate, and administer resources and programs to support exemplary teaching at all levels. This is accomplished through action research grants, professional development grants, university collaborator grants, university initiated project grants, and effective university instruction research grants.

The Center systematically links the statewide expertise of university faculty in research, content areas, assessment, and dissemination with the expertise of innovative, caring public school educators who are motivated to make a difference for New Mexico students. Materials on topics relevant to improving instruction in grades K-12 and higher education are available and can be checked out. For further information contact the Center for Teaching Excellence at Station 11, phone (505) 562-2266, or fax: (505) 562-2546.

NEW MEXICO EDUCATIONAL SOFTWARE CLEARINGHOUSE

The New Mexico Educational Software Clearinghouse was established in 1995 to collect and display educational software in support of school teachers in Eastern's service region. This Clearinghouse, supported through funds from ENMU, is housed in the Education Building. Current holdings exceed 200 programs. The Clearinghouse has placed special emphasis on collecting software that is useful in teaching students with limited English skills and other special needs students. In 1996, Edmark, publishers of a line of educational programs, authorized the Clearinghouse as one of its official software review sites. As a review site, the Clearinghouse receives all of Edmark's award-winning software for display. All programs are available for preview by students and teachers who are welcome to visit the Clearinghouse during regular business hours. The Clearinghouse also houses educational movies and some computer and statistical software.

ADMISSIONS

APPLICATION

Any new or former student wishing to attend Eastern New Mexico University must complete an application for admission. The high school senior planning to apply for financial aid and admission to ENMU for a fall semester should apply for admission in early spring. The Admissions Office will, however, continue to accept admission applications up to 30 days before the expected date of registration. The application may be obtained by writing to the Office of Admissions, ENMU, Portales, NM 88130 or by calling toll-free 1-800-367-3668 (1-800-FOR-ENMU) or on-line at www.enmu.edu.

A student misrepresenting or failing to disclose information in the completion of the admission form will be subject to disciplinary action and possible dismissal from the University.

APPLICATION PROCEDURES

The degree seeking applicant must have the following materials on file in the Admissions Office to clear the applicant for registration.

1. **Transcript(s).** Applicants must have an official transcript or transcripts sent directly to the Admissions Office. Any student who has not attended college or has completed less than 30 semester hours of college work must have a high school transcript sent. Anyone who has attended one or more colleges must have transcripts sent from each school.

Official transcripts are those sent directly by an official of the high school and/or college(s) to the ENMU Office of Admissions. The University cannot accept copies of transcripts in a student's possession.

2. **Test Scores.** Any new applicant who has completed less than 30 semester hours of college must have an ACT/SAT or equivalent (as determined by the institution) assessment on file before he/she can register. High school students should take either examination before completion of their senior year and request that the scores be reported to ENMU.

An applicant who has not graduated from high school (see Admission Requirements, page 10) must take the General Education Development (GED) examination and meet or exceed New Mexico standards of successful completion. The GED applicant must also complete the ACT/SAT or equivalent as indicated above.

HIGH SCHOOL CORE

REQUIREMENTS

Academic success in college is directly related to the preparation a student has had in high school. A particular core of knowledge is expected of college entrants and is essential to realizing the student's greatest possible potential in the collegiate experience. Eastern New Mexico University strongly requires the following high school core (of regular or accelerated courses) for its applicants:

English - 4 units

Science - 2 units

Mathematics - 3 units from algebra I, algebra II, trigonometry, geometry, or calculus.

Social Studies - 2 units

TRANSFER STUDENTS

1. **Admission.** A transfer student who has been disqualified for registration at another college or university will not be considered for admission to ENMU until a suspension period has been completed. A first suspension requires that a student be out one regular semester (excluding summer or interim). A second suspension requires that the student be out for two regular semesters before admission can be considered.
2. **Catalog of Record for Transfer Students.** Any ENMU undergraduate student, transferring from any New Mexico two year institution or cooperating two year institution accredited by a CORPA recognized agency, has the option to select the ENMU catalog in effect during that student's initial college enrollment, provided the ENMU enrollment is within six years of his/her initial college enrollment. (Refer to Catalog of Record section on page 20.)
3. **Evaluation of Transfer Credit.** The University's Admissions Office evaluates academic work completed elsewhere and, whenever possible, accepts that work for transfer credit. **The acceptance of transfer credits by the University DOES NOT guarantee that these hours will satisfy requirements in a specific major or minor.** To determine how transfer credits count toward degree requirements, the student must consult a faculty advisor, and the college (College of Business, College of Education and Technology, College of Fine Arts, College of Liberal Arts and Sciences) must approve the course(s) for use in the major or minor. See your Records Clerk for more information. Grades of "D" cannot be used to meet requirements for a major or minor.

Quarter-hour credits are converted to semester-hour equivalents when evaluated by the Admissions Office. One quarter-hour is equal to two-thirds of a semester hour.

4. **Grade Point Calculation.** Transfer grades *will* be calculated for admission requirements, honors for graduation, and professional licensing (such as teacher education or professional nursing). However, only the ENMU GPA is reflected on an "official" ENMU transcript.
5. **Acceptance of Transfer Credit.** Credit is accepted for work, of a college parallel nature, from institutions whose accreditation is from an accrediting body recognized by the Commission on Recognition of Post-secondary Accreditation (CORPA). Courses not of college parallel nature include but are not limited to technical/vocational courses, doctrinal religion courses and basic skills level courses. "D" work will not meet requirements in the student's major or minor areas of study. Accrediting bodies currently recognized by CORPA are:
 Accrediting Association of Bible Colleges
 Accrediting Association of the Distance Education and Training Council
 Accrediting Bureau of Health Education Schools
 Accrediting Commission for Career Schools/Colleges of Technology
 Accrediting Council for Independent Colleges and Schools
 Association of Advanced Rabbinical and Talmudic Schools
 Association of Theological Schools in the United States and Canada
 Middle States Association of Colleges and Schools
 New England Association of Schools and Colleges
 Northwest Association of Schools and Colleges
 Southern Association of Colleges and Schools
 The Higher Learning Commission, a member of North Central Association
 Western Association of Schools and Colleges

Credit for work, of a college parallel nature, from an institution that is a candidate for accreditation by a CORPA recognized body, will be awarded after 15 credit hours are earned at ENMU with a minimum GPA of 2.0. Work completed at an institution not accredited by a CORPA recognized body may be validated as outlined in this catalog under "Course Challenging" on page 24.

ADMISSION REQUIREMENTS

	High school graduate or transfer student with less than 30 hours of academic college level course work.	Transfer student with 30 or more hours of academic college level course work.	GED applicant.
REGULAR	<p>High school grade point average 2.25 or higher in regular or accelerated courses</p> <p>OR</p> <p>ACT of 17 or higher.*</p> <p>OR</p> <p>SAT of 840 or higher.*</p> <p>OR</p> <p>Equivalent test scores.</p> <p>*NOTE: Students are required to take ACT/SAT or equivalent assessment prior to registration. See Application Procedures on pg. 8. ACT/SAT scores must be on file with the Office of Admissions BEFORE a student can register to assist in proper course placement.</p>	College gpa of 2.0 or higher.	<p>Successful completion of GED.</p> <p>AND</p> <p>ACT of 17 or higher</p> <p>OR</p> <p>SAT of 840 or higher</p> <p>OR</p> <p>Equivalent test scores.</p>
PROBATIONARY Admissions	<p>An individual wishing to seek a degree but not meeting standards for regular admission, may petition the Admissions Office for consideration as a probationary admit. Such applicants must apply and have the necessary transcripts and/ or test scores on file at least one month before the beginning of the session for which application is made. FRESHMEN: provide three letters of recommendation from high school counselors, teachers, or principal AND write a personal essay on college and career plans. TRANSFER: a student transferring to ENMU with 15 or more hours of academic college level course work with a college grade point average of less than 2.0 may be admitted on probation. A decision on admissibility by the Admissions Office will be made within two weeks of receipt of materials.</p>		

All acceptable transfer work from a junior or community college will be recorded as lower division credit.

- To further enhance articulation between all state-supported institutions in New Mexico, Eastern New Mexico University adopts the principle of treating transfer students as native students in the application of credit toward certificate or degree requirements.

NON-DEGREE VISITING STUDENT CRITERIA

The non-degree visiting student category is designed to meet the needs of mature, part-time students who do not wish to pursue a degree at this university. Any person wishing to attend ENMU as a non-degree visiting student, who meets the criteria below, may do so by checking non-degree on their application.

- The individual must:
 - be a high school graduate, **OR**
 - have successfully completed the GED and be out of high school a minimum of one year, **OR**
 - be at least 23 years of age or older.
- The non-degree visiting student is subject to all ENMU policies and regulations governing registration, attendance, academic standing and personal conduct.
- If the individual has previously been academically suspended from ENMU, acceptance in this category will be governed by ENMU Suspension/Probation policy.
- If the individual has previously been suspended from ENMU for disciplinary reasons, acceptance in this category will be governed by the stipulations of that suspension.

A non-degree visiting student may apply to become a degree seeking student by either (1) completing ENG 102, ENG 104, and 6 hours of math beginning with MATH 107, with a GPA of 2.0 or greater; **OR** (2) submitting required transcripts, GED or other test scores to the Admissions Office and meeting the requirements shown above.

The non-degree visiting student may complete as many hours as desired in this category. However, no more than 30 hours earned while in this category may be applied to any ENMU degree.

NOTE: A NON-DEGREE VISITING STUDENT IS NOT CONSIDERED ADMITTED AND CANNOT RECEIVE STUDENT FINANCIAL AID.

Concurrent Enrollment for Secondary Students—This program allows a select number of high school students to earn college credit at ENMU while still enrolled in high school. The student must complete both an application for admission and a concurrent enrollment form (provided by the Admissions Office) signed by a high school official, the student, and an ENMU admissions official. The concurrent enrollment student wishing to attend ENMU immediately following high school graduation must have transcripts and test scores sent to the Admissions Office and apply as a degree seeking student. Guidelines for the program can be obtained by contacting the Office of Admissions.

INTERNATIONAL STUDENT ADMISSIONS

An international student on a non-immigrant student visa may be considered for admission on a full-time basis. All applicants must have an educational background equivalent to that required for United States citizens.

The international student must file a certified statement of ability to meet financial responsibilities while attending ENMU and have a TOEFL score of 500 or complete the highest level of an intensive English program for admission. Test score reports, completed application form, complete transcripts of high school and all previous college credit hours and financial statement are required before evaluation for admission will be made. The applicant must request official transcripts and have testing agencies send scores directly to ENMU.

International applicants must have these materials on file with the University 90 days prior to the semester for which application is being made. When these requirements are fulfilled, an I-20 Certificate of Eligibility and a letter of admission will be issued.

ENMU Counseling and Testing Center Testing Services will administer an English proficiency placement test and the International Student Advisor will require attendance at a special orientation before the student can register.

Mail all documents to the Office for International Student Admissions.

ADMISSION PROGRAMS FOR MILITARY PERSONNEL

ENMU has three admission programs designed for military personnel. They are the Active Duty Military program (ADM), Servicemen's Opportunity College (SOC), and the Military Admissions Program (MAP).

The ADM program is designed for Cannon Air Force Base active duty personnel to pursue credit courses without meeting the full requirements for admission to undergraduate study.

The SOC program allows service personnel, their spouse and/or dependents to complete study interrupted by military obligations. Students in the program may fulfill requirements toward an

undergraduate degree by completion of 32 of the final 64 hours in residence.

MAP allows the active duty military student to earn credit at other institutions while pursuing a degree at ENMU. Academic progress is reported to the ENMU Registrar's Office where the student's official file is maintained. The student retains his/her ENMU academic advisor. All regular admission and degree requirements must be met.

More information and regulations for these programs may be obtained by contacting the Admissions Office.

Credit for Military Service - Eastern New Mexico University allows credit to United States military personnel on courses and/or military occupational specialties (MOS's) as evaluated by the American Council on Education (ACE) in the Guide to the Evaluation of Educational Experiences in the Armed Services. The amount of credit will not exceed 30 semester hours for undergraduates and 8 semester hours for graduates. This credit, along with credit by examination (i.e., CLEP, Advanced Placement, ACT, and course challenging), cannot exceed 32 hours for an associate degree, 50 hours for a bachelor's degree, and 8 hours for a graduate degree.

Military credit is accepted as elective credit by the Admissions Office and it is the decision of the individual colleges how the credit may be applied to degree requirements.

Before credit will be considered official, copies of courses completed or MOS rating must be sent directly to the Admissions Office from a record center.

If the ACE Guide does not have an evaluation of a course completed, and if the course is comparable to a course offered by ENMU, an individual may take a course challenging examination. Active duty military and veterans may secure a waiver of the two-hour physical well-being requirement. Guidelines for challenge examinations are stated on page 24 of this catalog.

INTRA-UNIVERSITY CHANGE OF CAMPUS

A student attending classes at ENMU-Roswell or the Ruidoso Off-Campus Instructional Center may change to the ENMU-Portales campus. The student should complete a change form at the Admissions Office at any of the three campuses 30 days in advance of registration on the Portales campus.

FAMILY PRIVACY ACT

The Family Rights and Privacy Act of 1974, gives students certain rights regarding their records:

A. To inspect eligible records in their files.

B. To petition to change their records upon proof of error.

C. To only release student records with the student's written consent except:

1. To school officials who have a legitimate educational interest in the records.
2. To officials of another school, upon request, in which a student seeks or intends to enroll.
3. To certain officials of the U.S. Department of Education, the Comptroller General, and state and local educational authorities in connection with certain state and federally supported education programs.
4. In connection with a student's request for or receipt of financial aid, as necessary to determine the eligibility, amount or conditions of the financial aid, or to enforce the terms and conditions of the aid.
5. If required by a state law requiring disclosure that was adopted before November 19, 1974.
6. To organizations conducting certain studies for or on behalf of the educational institutions to:
 - a. Develop, validate, or administer predictive tests.
 - b. Administer student aid programs; or
 - c. Improve instruction.
7. To accrediting organizations to carry out their functions.
8. To comply with a judicial order or a lawfully issued subpoena.
9. To appropriate parties in a health or safety emergency.
10. To the alleged victim of any crime of violence, the results of any institutional disciplinary proceedings against the alleged perpetrator of that crime.

D. To have directory information withheld. (Directory information includes: name, local and permanent mailing addresses, telephone number, date and place of birth, most recent previous school attended, major field of study, classification, dates of attendance, honors awarded, degrees and dates conferred, participation in officially recognized activities and sports, and weight and height of members of athletic teams.)

Requests for withholding directory information are to be made by completing the proper form, which must be filed at the Office of the Registrar for each enrollment period (Fall, Spring, Summer) within the first two weeks of the Fall or Spring semester and the first week of an Interim or Summer Session.

ENMU does not release records from other institutions, such as: transcripts, ACT, CLEP, GRE and GMAT scores.

Other information regarding disclosure of student data is posted at the Office of the Registrar in compliance with the Act.

TRANSFER AMONG NEW MEXICO HIGHER EDUCATION INSTITUTIONS

To facilitate transfer of students and course credits among New Mexico's colleges and universities, the state's public institutions of higher education are required to accept in transfer courses taken within approved modules of lower-division course work and apply them toward degree requirements. Several transfer guides have been developed through collaboration of New Mexico's public postsecondary institutions, consistent with requirements of state law (21-1B, NMSA 1978). Students enrolling for first-year or second-year study at a New Mexico institution and wishing to prepare for possible transfer into a degree program at another institution are advised to take these courses during their freshman and sophomore years.

Student Responsibility

New Mexico's colleges and universities have collaborated to produce guides to assist students who plan to transfer before completing a program of study. Course modules are designed to help students select courses carefully so that they may transfer with little or no loss of credit. However, planning for effective transfer with maximum efficiency is ultimately the **student's responsibility**. Responsible transfer planning includes early and regular consultation with the intended degree-granting institution to assure that all pre-transfer coursework will meet the requirements of the desired degree.

Transferable Lower-Division General Education Common Core

Students enrolling for first-year study who have not yet selected either an academic focus or the institution where they wish to graduate are advised to take courses during the freshman year outlined in the Lower Division General Education Common Core. For students enrolled at any public institution in New Mexico, the following courses are guaranteed to transfer to any other New Mexico public college or university, and apply toward associate and baccalaureate degree program requirements. Students should consult advisors at their current institutions regarding which specific courses fit these categories. Students preparing for careers in engineering, health sciences, or other profession-related fields are advised that some of this course work may not transfer toward general education requirements but in most cases will apply toward elective requirements.

Area I: Communications	select 9 semester hours
(a) College-Level English Composition	3-4 hours
(b) College-Level Writing (a second course building on the above)	3 hours
(c) Oral Communication	3 hours
Area II: Mathematics	select 3 semesters hours
(a) College Algebra	3 hours
(b) Calculus	3 hours
(c) Other College-Level Mathematics	3 hours
Area III: Laboratory Science	select 8 semester hours
(a) General Biology, with laboratory	4-8 hours
(b) General Chemistry, with laboratory	4-8 hours
(c) General Physics, with laboratory	4-8 hours
(d) Geology/Earth Science, with laboratory	4-8 hours
(e) Astronomy, with laboratory	4-8 hours
Area IV: Social/Behavioral Sciences	select 6-9 semester hours
(a) Economics (macroeconomics or microeconomics)	3 hours
(b) Introductory Political Science	3 hours
(c) Introductory Psychology	3 hours
(d) Introductory Sociology	3 hours
(e) Introductory Anthropology	3 hours
Area V: Humanities and Fine Arts	select 6-9 hours
(a) Introductory History Survey	3 hours
(b) Introductory Philosophy	3 hours
(c) Introductory Course in History, Theory, or Aesthetics of the Arts or Literature	3 hours
Total to be selected	35 semester hours

Lower-Division 64-hour Transfer Modules

*Students who **have** selected a field of study but have not yet selected the college or university where they wish to earn their baccalaureate degree* are advised to take courses during the freshman and sophomore years outlined in one of the Lower-Division 64-hour Transfer Modules. For students enrolled at any public institution in New Mexico, these courses are guaranteed to transfer to any New Mexico university and apply toward bachelor's degree program requirements. Students should consult advisors at their current institutions regarding which specific classes fit these categories. Lower-division transfer modules presently exist for:

- Business,
- Pre-Engineering,
- Biological Sciences
- Social/Behavioral Sciences
- Physical Sciences
- Teacher Education-Language Arts, Social Studies and Foreign Language
- Teacher Education-Math, Science, and Physical Education
- Teacher Education-Elementary, Bilingual, and Special Education.
- Teacher Education-Early Childhood Education.

Modules for additional areas of study are being developed. Copies of these Transfer Modules may be obtained from the college Record's Clerks, the Office of Admissions or electronically from the New Mexico Commission on Higher Education website (www.nmche.org/transfer/).

Inter-Institutional Transfer Guides and Catalogs

Students who have selected a field of study and/or the institution where they wish to graduate are advised to consult the transfer guide or catalog for that institution for more current and detailed advice to guide their course selection. Formal published transfer guides between ENMU and all New Mexico 2-year institutions and South Plains College in Levelland, Texas are available from the college Record's Clerks or from the Office of Admissions.

Appeal Procedure

All New Mexico public post-secondary institutions are required to establish policies and practices for receiving and resolving complaints from students or from other complainants regarding the transfer of course work from other public institutions in the state. If courses are not accepted for transfer to ENMU, the student may appeal this decision by obtaining a catalog description of the transfer course in question and meeting with the department chair of the content area.

TUITION AND FEES

RESIDENCY DEFINITION FOR TUITION PURPOSES

For tuition purposes, a resident is defined as a student who meets **each** of the qualifications **before the first day of classes for that term**:

1. At least 19 years of age requirement.
2. Financial independence requirement.
3. Written declaration of "intent" requirement.
4. Specific overt acts requirement.

For more detailed information on the above, and other circumstances related to these regulations, please contact the Admissions Office in SAS 107.

Out-of-state tuition is not charged during summer sessions, nor is out-of-state tuition charged to students taking six (6) or fewer semester credit hours during any enrollment period.

Petitions for changes in residency status will be accepted beginning 30 days prior to the semester for which the petition applies. Students are requested to petition prior to registration. The latest date a petition, along with all completed documents and verifications, can be accepted is 21 calendar days after the first day of classes. Petition forms and further information may be secured from the Office of Admissions (SAS 107).

TUITION AND FEES

Tuition is a charge that helps to defray the costs of the education offered at ENMU. Student fees are added to the basic tuition rate to enable ENMU to offer student related services such as Health Services, Student Government, Board of Activities, and other student activities. These fees are mandatory.

Tuition and fees are charged according to the number of credit hours carried by a student; auditors (those enrolled in a course for no credit) pay the same fees as students enrolled for credit. Students with a Bachelors degree will be charged graduate fees regardless of the level of classes they enroll in. All charges are payable at registration unless arrangements have been made with the Accounts Receivable Office. Students who request a deferred contract payment plan must pay one-third down of the total charges, with the balance payable in two equal monthly installments. A contract fee of \$10 will be assessed. Student registration is not complete and enrollment is not official until payment is made.

IT IS THE STUDENT'S RESPONSIBILITY TO MAKE SURE THE REGISTRAR'S OFFICE HAS THEIR CORRECT MAILING ADDRESS ON FILE. THE UNIVERSITY CANNOT BE RESPONSIBLE FOR CANCELLATION OF A STUDENT'S REGISTRATION DUE TO MAIL PROBLEMS.

All tuition and student fee charges as well as course fees and special services fees are subject to change without notice. Tuition and Fee Schedules change according to legislative and/or Board of Regents' action. Up-to-date tuition and fees schedules can be found in the current semester class schedule, in the "Expenses" brochure published by the Office of Admissions or by calling 1-800-367-3668, (1-800-FOR-ENMU), extension 7.

WITHDRAWAL FROM THE UNIVERSITY - FINANCIAL RESPONSIBILITY

Once a student registers, he or she is responsible for the total charges assessed regardless of whether the deferred contract payment plan is used. Refund percentages are applied to total charges assessed and not the amount paid. This means that a student who withdraws before paying all contract payments may receive a bill rather than a refund. Not attending classes does not constitute official withdrawal.

Undergraduate Tuition and Fees for 2001-2002

	Resident	Non-Resident
Part-time students (under 12 hours)	\$ 87.00/hour	\$ 318.50/hour
Full-time students (12-18 hours)	\$ 1,044.00	\$ 3,822.00
Students carrying more than 18 hours	\$ 87.00/hour	\$ 318.50/hour
On-Site/ITV	\$ 87.00/hour	\$ 318.50/hour

SPECIAL FEES

Child Development Center (accident insurance and cost of snacks included)*

*These fees are subject to change.

Time Block	2001-2002
9:00 - 11:30	\$ 655.00
8:00 - 11:30	915.00
9:00 - 12:30	915.00
8:00 - 12:30	1180.00
9:00 - 3:30	1390.00
8:00 - 3:30	1610.00
8:00 - 5:00	1925.00
Summer Session	
9:00 - 12:00	\$ 200.00
8:00 - 5:00	430.00

Dishonored Check Handling Fee	\$ 15.00
Examination for course challenging	\$15 per credit hour
Graduation fees:	
All Degrees (Diploma)	10.00
Cap and Gown	
Associate's/Bachelor's Degree	15.00
Master's Degrees	30.00
Second Degree	
(Conferred at the same time as the first)	5.00
Bindery (master's thesis, projects, etc. per copy)	7.00
Replacement diploma	9.00
Health and accident insurance:	
U.S. Residents (Optional)	
International Students (Mandatory)	
Fall semester	110.00
Spring & Summer semesters	110.00
Annual Repatriation Fee	
(International Students Only)	25.00
Replacement of ID card	10.00
Installment contract	10.00
Residence Hall Activity Fee	
(Paid each semester, Non-refundable)	14.00
Reinstatement Fee	
(Late fee for not paying registration on time)	50.00

Course Fees:**All course fee charges are subject to change without notice.**

AG 203L, 204L, 302, 331	10.00
AG 321	5.00
ANTH 475	25.00
ANTH 481/583	200.00
ART 106	25.00
ART 210	65.00
ART 231 (Ceramics)	90.00
ART 271 (Jewelry)	40.00
ART 145, 146, 245, 246	50.00
ART 345, 346	90.00
ART 375, 376, 395, 396, 475, 476, 495, 496	60.00
BIOL (All undergraduate and graduate Biology Labs with the exception of Biology 113L)	10.00
BIOL 475	25.00
CHEM 475	25.00
COMM (110, 210, 220, 344, 412, 420, 422)	25.00
FCS 213L	30.00
FCS 301L	15.00
FCS 353	15.00
GEOL 475	25.00
HPE 220	5.00
MUS (Private lessons, per credit hour)	50.00
PHYS 475	25.00
Student Teaching Fee	100.00

TUITION REDUCTION

A student may be eligible for a senior citizen discount if he/she is 65 or older and a New Mexico resident. The Admissions Office requires evidence of this. The cost per credit hour up to six hours will be \$5.00.

TUITION AND STUDENT/COURSE FEE REFUND POLICY

The refund schedule is based on the first day of the semester, not on the initial class meeting.

The refund schedule for fall and spring:

- Refund of 100% through day 5.
- Refund of 75% through day 10.
- Refund of 50% through day 15.
- Refund of 25% through day 20.

Specific dates are published each semester in the class schedule.

TUITION REFUND APPEALS PROCEDURE

A withdrawing student must submit a written appeal explaining individual circumstances that would warrant an exception to the published refund policy to the Vice President of Business Affairs. The Vice President will make the decision to approve or deny the appeal.

ROOM AND BOARD

Room and board charges do not include vacation periods such as Thanksgiving, Christmas, and spring recess. Meal tickets are available to off-campus students at the same rates. Current costs for the various meal plans, room rates, and rentals are available from the Housing Office in the Campus Union Building.

STUDENT DELINQUENT ACCOUNTS AND LOANS

Transcripts and/or other information relating to the University records of any student or former student will not be released or delivered to the student or to any other person, entity, or institution until all debts of the student to the University and all of its affiliates have been paid, or arrangements satisfactory to the University have been made for payment. This policy is applicable to all debts including, but not limited to, student loans as allowed by law.

COLLECTION AGENCIES

Following the end of each semester, students who have delinquent account balances may receive a series of itemized statements requesting payment. Failure to receive a bill from ENMU does not relieve the student of the responsibility for payment. If payments or arrangements are not made on a timely basis, the account may be placed with a collection agency. A collection fee will be added to the account. If ENMU obtains judgement from a court of competent jurisdiction, the debtor shall also be liable for the collection agency fee as well as reasonable court costs and attorney's fees.

METHODS OF PAYMENT

Checks or money orders should be made payable to Eastern New Mexico University and mailed to:

Eastern New Mexico University
Business Office, #4
Portales, NM 88130

Please do not mail cash. All payments should have the student's name and ENMU ID number or Social Security number on the check.

Other payment options are: (1) In person at the Cashiers in the Administration Building; (2) Drop box in front of the Administration Building; (3) Payment by credit card (VISA, MasterCard, American Express, or Discover); or, (4) Financial Aid/Scholarship payments.

FINANCIAL AID

The student and his/her family are primarily responsible for defraying the cost of the student's college education. However, when the student and family have made a sincere effort to meet expenses, and additional financial assistance is required, ENMU believes that aid should be made available whenever possible.

To receive full consideration, the student should apply no later than March 1, unless an earlier date is specified for a particular program. Applications received after March 1 will be considered as long as funds are available. The form accepted by ENMU is the Free Application for Federal Student Aid (FAFSA), or the Federal Renewal Form for Previous Aid Applicants. Although a student may apply for aid prior to enrollment, admission must be complete before aid will be disbursed.

To initially receive and continue to receive financial aid, the student must maintain satisfactory academic progress as determined by federal regulations in conjunction with the university. The student must successfully complete 80% of all hours attempted at ENMU. Undergraduates must maintain an ENMU GPA of at least 2.0 and must graduate within 160 attempted semester hours. Graduate students must maintain an ENMU GPA of at least 3.0 and must graduate within 45 attempted semester hours. For more information about ENMU's Satisfactory Academic Progress, please contact the Office of Student Financial Aid.

Students who apply for financial aid but are not in good standing are automatically denied by the Financial Aid Office. However, the student may appeal by completing the appropriate appeal form and submitting that form to the Financial Aid Office. For further information regarding applications, appeals, loan rates, deferments, minimum/maximum loan amounts, etc. please contact the student Financial Aid Office in the SAS Building, Room 107. Also, *The Student Guide*, published by the U.S. Department of Education, is an excellent source for additional information. This publication can be obtained in SAS 107.

FEDERAL PELL GRANT

The Federal Pell Grant Program is currently the largest student grant program administered by the Department of Education. The purpose of the Federal Pell Program is to award grants to help financially needy students meet the cost of their post-secondary education. Students who have earned a bachelor's or professional degree are not eligible to receive a Federal Pell Grant, a Federal Supplemental Educational Opportunity Grant, nor a New Mexico Student Incentive Grant.

FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT

The FSEOG is a grant "supplemental" to the Federal Pell Grant. The stated purpose of the FSEOG is to provide grants to assist in making available the benefits of post-secondary education to qualified undergraduate students who demonstrate exceptional financial need. Priority is given to Federal Pell Grant recipients. These funds are limited and will be distributed until the fund is exhausted.

NEW MEXICO STUDENT INCENTIVE GRANT

The Student Incentive Grant Program is available to students who are residents of the State of New Mexico and who demonstrate financial need. The funding is limited and monies will be distributed until the fund is exhausted.

FEDERAL PERKINS LOAN (FORMERLY NATIONAL DIRECT STUDENT LOAN)

The Federal Perkins Loan program is a long-term, low interest (5%) loan program. Eligibility is based upon a student's demonstrated financial need, and is targeted to students with exceptional need. This loan fund is limited and monies will be distributed until the fund is exhausted.

FEDERAL STAFFORD LOANS

(FORMERLY GUARANTEED STUDENT LOANS)

Federal Stafford Loans are low-interest loans made to students attending school at least half-time. Loans are made by a lender such as a bank, credit union, or savings and loan association. These loans are insured by the guaranty agency in each state and reinsured by the federal government.

There are two types of Federal Stafford Loans—subsidized and unsubsidized. Subsidized loans are based on financial need, and repayment of principal and interest begins 6 months after the student graduates, leaves school, or drops below half-time. Students may receive an unsubsidized, or non-need-based loan, as well. The student is responsible for paying the interest during in-school and deferment periods. (Otherwise, the student and lender may agree to capitalize the interest; however, this would increase the amount of the principal.) Students who want to borrow from the unsubsidized Stafford or additional unsubsidized Stafford (formerly SLS) Loan programs must still apply for federal financial aid via the FAFSA.

FEDERAL PLUS LOANS

Federal PLUS Loans are for parents who want to borrow to help pay for their children's education. These loans provide additional funds for education expenses and, like Federal Stafford Loans, are made by a lender such as a bank, credit union, or savings and loan association. Under this program, the applicant must be deemed credit worthy by his/her lender.

FEDERAL COLLEGE WORK-STUDY PROGRAM

Students may work on the ENMU campus and at off-campus, non-profit organizations, under this federal program. Eligibility is based upon a student's demonstrated financial need. The student usually works between six and fifteen hours per week and is paid every two weeks. Both work-study programs are limited in funding, and awards will be made until the funds are depleted.

NEW MEXICO WORK-STUDY PROGRAM

The New Mexico Work-Study Program is designed to assist residents of the State of New Mexico with their educational costs. The majority of the awards are made to those students demonstrating financial need; however, a portion of the program funds are set aside for those not qualifying for need-based aid. Students must still apply for federal aid to determine need-based eligibility; also, a letter of interest for this state program should be submitted to the Financial Aid Office as early as possible after the application (FAFSA) has been completed.

DROPPING CREDITS OR COMPLETE WITHDRAWAL

Please be aware that any change in enrollment status may result in a decrease or loss of financial aid eligibility. Also, future financial aid could be jeopardized. Students who receive Title IV funding and withdraw completely from the University may be subject to a separate refund schedule. Contact the Financial Aid Office for examples of these policies.

SCHOLARSHIPS

The Admissions Office publishes an annual scholarship bulletin for students who will be attending ENMU for the first time. This bulletin can be obtained through the Admissions Office, ENMU Station 7, Portales, NM 88130, (505) 562-2178. The Office of Development publishes an annual ENMU scholarship guide. The *Friends of Eastern Foundation Guide to Scholarships* can be obtained through the Office of Development, ENMU Station 8, Portales, NM 88130, (505) 562-2412. The deadline to apply for the majority of ENMU scholarships is March 1 for the following academic year.

STUDENT SERVICES AND ACTIVITIES

OFFICE OF BUSINESS AFFAIRS

The Office of Business Affairs, which is located in the Administration Building, serves as the financial focal point of the University by providing various services to its faculty, staff, and students. All tuition, fees, and student accounts and university services such as payroll, purchasing, and accounting are the responsibility of this office. The Bookstore, Computer Center, Post Office, and Physical Plant are also administered through the Office of Business Affairs.

OFFICE OF STUDENT AFFAIRS

The Office of Student Affairs houses the Vice President for the division and serves as the coordination point for the development of the departments and services in Student Affairs. The primary goal of the Division is to create excellence in all of the programs and services that contribute to the comprehensive student development program at ENMU. Over ninety professional and support staff contribute to this student development program. The primary focus of the Student Affairs staff is to assist students in establishing an environment that enhances their personal growth and development. The Office of Student Affairs is located in the Student Academic Services Building (SAS), Room 194, telephone 562-2221.

COUNSELING AND CAREER SERVICES

Personal, academic and career counseling are available free of charge in Counseling located in the Student Academic Services Building, Room 214, phone 562-2211.

Career Services coordinates contacts with prospective employers and graduating students and alumni. Students are urged to establish credentials two semesters prior to graduation since many employers conduct on-campus interviews only once each year. Credentials include a resume, a transcript of course work, and letters of recommendation. Career Services posts a home page web site containing current job openings on local, state, and national levels. Career Services is located in SAS, Room 214, 562-2211.

COOPERATIVE EDUCATION

Cooperative Education is a planned academic program which allows students to blend classroom theory with related work experience. Students are employed by business, industry, or government in positions related to their fields of study and career choices. The program provides the student with responsibility on the job commensurate with academic skills through alternating periods of study and work assignments. Academic credit may be earned for individual research projects accomplished during a work phase,

under direction of an appropriate faculty member. The research project must be undertaken in addition to the regular job responsibilities and work hours. Cooperative Education is coordinated by Career Services.

TUTORING

Tutoring is available in many disciplines such as Math, Sciences, English, and Business, free of charge. Students may schedule one-on-one tutoring sessions on a drop-in basis. Tutoring is also available in the evenings. The tutoring office is located in Student Academic Services Building, room 151, 562-2286.

SERVICES FOR STUDENTS WITH DISABILITIES (SSD)

The purpose of SSD is to assist students who may have one or more disabilities in their adjustment to post-secondary education and provide a group of services designed to nurture independence and success. Services include:

- Equipment to assist the sight impaired
- Special arrangements for testing
- Taped texts or other printed matter
- Interpreters for the hearing-impaired
- Note takers

Staff members also administer a large number of national and institutional tests to students. These tests may focus on obtaining college credit (CLEP), admission to graduate or professional schools (DATP, LSAT, GRE, MCAT), or obtaining admission to a teaching program (PPST). SSD is located in the Student Academic Services Building, Room 186, 562-2280.

MULTICULTURAL AFFAIRS PROGRAM

Programs of Multicultural Affairs are designed to aid minority students in their cultural, social, and academic development. There are four components: Black Affairs, Hispanic Affairs, Native American Affairs, and International Student Affairs. The program works cooperatively with the University and community in increasing an awareness concerning cultural, historical and ideological values of the various ethnic groups. These offices are located in the Student Academic Services Building.

MULTICULTURAL ACTIVITIES

Eastern New Mexico University and the state of New Mexico are uniquely characterized by the presence of a rich diversity of cultures. In recognition of this cultural diversity, activities for the members of the University community are scheduled which are designed to increase the level of multicultural awareness, enhance classroom instruction, and

promote a learning environment through which students are better prepared to function in a culturally pluralistic society. Activities include guest speakers, seminars, forums, workshops, and informal discussion sessions scheduled through the academic year. The Multicultural Affairs Office is located in the Student Academic Services Building, room 172, 562-2470.

ADULT RE-ENTRY PROGRAM

Adult re-entry is a special program designed to assist adult students with the transition to the college environment. The office, located in SAS 173, provides academic and student services for the non-traditional student. Additional information may be obtained at 562-2434.

TRIO PROGRAMS

Educational Talent Search, Upward Bound, and Student Support Services are federal programs funded through the U.S. Department of Education. These programs work to assist disadvantaged students in pursuing a post-secondary education. Talent Search offers counseling and assistance in educational opportunities, admission requirements, and financial aid to 6th through 12th grade students. Upward Bound is a college-based program of rigorous academic instruction, individual tutoring and counseling for eligible high school students, most of whom are the first generation of their families to consider post-secondary education. Educational Talent Search is located in AD 218, phone 562-2447. Upward Bound is located at 3rd and Avenue K, 562-2452. Student Support Services assists students already enrolled, or accepted for enrollment, through counseling, tutorial and other educational services. This program helps to remedy academic deficiencies, to provide career guidance and placement, and to encourage students to continue or re-enter higher education. Student Support Services also assists students with disabilities to function at full potential in an academic environment. Student Support Services is located in AD 216, 562-2454.

HOUSING/RESIDENCE LIFE

Housing and Residence Life provides living accommodations for students in well equipped, safe, and comfortable residence halls. These university living areas are staffed by both professional and student staff, whose job it is to see that the living area environment is conducive to student success. To this end, a number of programs have been implemented in the halls. These include in-hall tutoring, updated computer labs with Ethernet connection, classrooms in some halls, individual room Ethernet connections in all student rooms, and special study hours/sessions.

CAMPUS RESIDENCE POLICY

The Eastern experience involves students in both academic and non-instructional settings, through campus organizations and events, community activities, and interactions with faculty, staff, and peers. Such experiences are intended to create a true community of learners, and they can significantly improve student success in achieving academic, civic, and career goals.

Beginning the college experience presents challenges for most students. Some of these challenges may even become barriers that block student success. Eastern is fully committed to removing those barriers, to maximizing student involvement in the collegiate experience, and to assisting students to achieve success in their college experiences. Considerable research exists that suggests students' living arrangements are one of the key factors in the successful college experience. Compared to those who commute, students living on campus are able to be more involved, have better access to faculty, tend to perform better academically, are more likely to persist to graduation, and report a higher degree of satisfaction with their experience. Although living on campus does not guarantee success, we believe it does remove some of the barriers. It also provides the opportunity to learn the rights and responsibilities that accompany participation in higher education as a member in a community of learners. In order to help accomplish these goals, Eastern New Mexico University has adopted the following policy:

All first time freshmen students who have completed fewer than 30 semester hours, who are under 21 years of age on the first day of class, and who are enrolled in twelve (12) or more semester hours will live in the University residence halls. All students residing in the halls will select one of the approved meal plans for residents.

Students living in residence halls sign a contract for an academic year. Preferences of residence hall, room, and roommates are honored when possible. Private rooms are not guaranteed to any student, but are assigned on a space available basis, with priority given in descending order starting from graduate students. Room rate and other information may be obtained from the Housing and Residence Life Office located in the Campus Union, phone 562-2632, or from the housing web site www.enmu.edu/housing.

Residence hall rooms are furnished with beds, desks, chests of drawers, local phone service, basic cable service, and internet connections. Students must furnish their own linens. Television lounges, computer

labs, cooking areas, various study and recreation spaces, and laundry rooms, equipped with coin-operated washers and dryers, are provided in all residence halls. Phone jacks are provided in each room. While room rates include local telephone service, students will need an authorization code for long distance calling. Billing for such calls is monthly. If the account reaches \$100, the code is deactivated until the account is paid. There is also a \$10 reinstatement fee at that time. Due to the tremendous variety in student preferences for phone type and answering machine needs, students are free to choose and bring the telephone equipment of their choice. With Ethernet cards in their computers, students may connect to the University network system, which also provides Internet access.

The University prohibits the keeping of firearms or other dangerous weapons in all university housing. Due to fire safety and cleanliness issues, students are not permitted to cook or prepare meals in residence hall rooms. For similar health reasons, pets, other than fish in tanks of smaller than 25 gallons, are not allowed. A supply of compact refrigerators is available for rent in each hall. Students are free to bring their own refrigerators, provided the specifications are the same as the rental units. Stereos, radios, and televisions are permitted in rooms provided their use does not interfere with the study habits of others.

Apartments are available for married students, students with families, and students classified as sophomore or above, and are leased on an availability basis, with priority given to order of application. Information concerning university owned apartment policies and facilities may be obtained from the Housing and Residence Life Office or the housing web site.

CAMPUS DINING

Sodexho/Marriott Services, a professional food service company, provides dining services to students, faculty, staff and the public. Emphasis on restaurant style and high quality provides the groundwork for your dining choices. These venues for meal service include the following locations in the Campus Union:

Ultimate Dining is located on the main floor, open Monday through Friday for your convenience;

Breakfast from 7:00 a.m. to 9:00 a.m.

Lunch from 11:00 a.m. to 1:00 p.m.

Dinner from 5:00 p.m. to 7:00 p.m.

Weekends,

Brunch from 10:30 a.m. to 1:30 p.m.

Dinner from 4:30 p.m. to 6:30 p.m.

The Cafe Down Under features Ground Zero, Tierra Del Sol Express, La Vencita Pizzeria and the Selona Grill offering retail dining all day throughout the week.

The Cafe Down Under's hours of operation are 8:00 a.m. to 8:30 p.m., Monday through Thursday, 8:00 a.m. to 7 p.m., Friday and 11:00 a.m. through 7:00 p.m. on weekends, except for the winter break.

Cafe Fresca offers snacks and beverages for students and staff on the go. Cafe Fresca is located in Jack Williamson Liberal Arts building. Hours of operation are 7:30 a.m. to 1:30 p.m., Monday through Friday.

Sodexho Services also offers pizza delivery service, catering services, and banquet facilities. Please call 562-2190 for any further information.

STUDENT HEALTH SERVICES

During the course of registration, all students enrolled for 12 credit hours or more are required to pay a Health Service fee that entitles them to out-patient visits to University health care providers and nurses plus minimal dispensary services at the Health Service Office, located at 1628 West 17th (north of old hospital), phone 562-2321. Family planning services are available through the Center. Optical, dental, and hospital services are not covered. The student Health Service does not cover students when at home or off campus for weekends or during regular university vacation periods. A Health History Questionnaire shall be completed by each student on his/her initial visit. Immunization records would be helpful to the Health Service staff.

Students suffering from chronic illnesses or disabilities must arrange for medical care outside the Student Health Service. The University cannot provide personal attendants, individually prescribed devices, or other devices or services of a personal nature. The Student Health Service is not an insurance program. The spouse and family of a student are not entitled to Student Health Service.

MEDICAL INSURANCE

Medical insurance is available to students at a reasonable premium rate. International students are required to have this medical insurance; other students may elect to waive the insurance. Since student health services are limited, students are urged to take this opportunity to secure protection against illness and injury expenses. Information on this program is available through the Office of the Vice President for Student Affairs.

UNIVERSITY BOOKSTORE

The mission of the ENMU Bookstore is to enhance and support the educational processes of Eastern New Mexico University. In pursuit of this mission, the Bookstore, as an auxiliary organization, is a partner in the University community whose role is to provide appropriate goods and services at a reasonable and competitive price, to help develop and maintain an effective learning environment, to reflect an institutional image of competence and quality,

to encourage cooperative relations within the University community, to provide advice on services and resources appropriate to educational needs, to generate income to augment University resources. In executing this role the Bookstore is committed to high quality, innovation, and a projection of an image of service.

The Bookstore is located next to the Campus Union Building (CUB). The following policies will prevail:

Refund Policy - It is recommended that students not purchase textbooks until after the first class meeting. Last day for exchange or refunds is one day beyond the last day for late registration and adding classes. Students are asked not to write or mark in books, remove covering or price stickers. A drop slip and the cash register receipt(s) are needed for all refunds.

Gross Receipts Tax - As mandated by the state legislature, the Bookstore is required to charge a 5% governmental gross receipt tax on all transactions.

For a four (4) week period, beginning with the week prior to the first day of class through the end of the third week of classes, the Bookstore will become a closed facility, open only to members of the University community. By doing this, the Bookstore will be able to sell those items which are needed for classes without charging tax. All bookstore patrons, including students, staff, faculty, and those on campus for educational research or public service activities, will be asked to provide proper identification.

Store Hours - The hours of operation are undergoing a review and those hours as determined for good service and operation will be posted.

Contact us: Toll Free at
1-877-499-2665 or
visit us on the web at
www.enmu.edu/books

UNIVERSITY POLICE DEPARTMENT

The University Police Department located at Third and South Avenue K, phone 562-2393, operates 24 hours a day, seven days a week, including holidays. The department is basically a service operation for the benefit of students and other members of the university community. All students and ENMU personnel who operate motor vehicles on university property are required to register their vehicle with the department and obtain parking permits. Regulations concerning parking are provided to each vehicle owner upon registration.

Services and activities of University Police include traffic and parking control on campus, emergency transportation for ENMU students and personnel, building checks, handling lost and found items, and protection of attendants and property at social and athletic events. The department cooperates with neighboring police agencies to assure that University interests are protected.

Students and ENMU personnel are subject to all local, state, and federal laws as well as university regulations.

STUDENT CONDUCT

Students are subject to all state and federal laws and may receive disciplinary action for violations of University housing and traffic regulations, financial obligations, disruption or interference with normal activities. It is both illegal and against University policy for any student to have within his/her possession any official university documents, seals, or emblems used in authenticating documents, or to make or use any fraudulent document. Students must properly identify themselves to University personnel who are in performance of their duties. Students who cannot do so will be treated as non-students.

The responsibility of administering the discipline system at the University is delegated by the President of the University to the Vice President for Student Affairs. The Vice President for Student Affairs has delegated to the Campus Adjudication Officer and the Disciplinary Committee administrative responsibility to review and process student disciplinary matters.

When a student is suspected of an infraction of University regulations, he/she will be given appropriate due process. If the infraction includes the possibility of suspension from the University, the student will be notified in writing of the specific charges. The following disciplinary procedure will be followed:

The Campus Adjudication Officer shall administratively dispose of all allegations or violations by the following: (a) dismissal of the allegation, (b) issuance of a written warning, (c) issuance of a written probation, (d) disciplinary suspension, or (e) through referral to the University Discipline Committee.

Students may appeal the decision of the Campus Adjudication Officer. If the student chooses to appeal, said appeal must be in writing and shall be presented to the Campus Adjudication Officer within 72 hours, excluding week-ends and holidays.

The student shall be informed in writing of the charges against him/her within one week. The student shall have the right to be assisted in his/her defense by an advisor of his/her choice from the faculty, staff, or student body. The student shall have the right to testify and present witnesses as well as hear and question those witnesses who are testifying against him/her.

Possible sanctions may be imposed for infraction of regulations:

1. Disciplinary Warning. This is a sanction imposed with or without loss of designated privileges for a definite period of time not to exceed one calendar year.

2. Disciplinary Probation. This is a sanction for a specified period of time which shall not be less than three months nor more than one calendar year.

3. Disciplinary Suspension. This sanction is one of involuntary separation of the student from the University for a definite period of time after which the student is eligible to return. Students suspended shall be assigned the grade W, which would be appropriate if they were withdrawing voluntarily.

Convictions of any misdemeanor or felony under State or Federal law may be considered as a violation of the Student Code, warranting disciplinary action.

Statement of Limitations. No student shall thereafter be subject to disciplinary procedures stemming from an alleged infraction of University regulation, unless such procedures are initiated within one (1) year from the time the alleged infraction occurred. No period shall be included in the time of limitation when the party charged with any infraction is not enrolled at the University. No period shall be included in the time of limitation when the University disciplinary procedures cannot function for reasons beyond the control of the University.

AUXILIARY SERVICES

Auxiliary Services is located in the Campus Union Building, Room 108, 562-2631. Other functions of this office include: Housing/Residence Life, Student Activities, Food Service, Master Calendar, and Campus Union.

ASSOCIATED STUDENTS

Associated Students provides students of ENMU a voice in university governance and helps provide services for students. The executive branch is comprised of a president and a vice president, elected by the student body, and the chairpersons of executive boards, who are appointed by the president and approved by the Senate. The legislative branch is headed by the vice president and consists of representatives from the colleges. The elected Senate distributes allocated student funds and makes recommendations to the administration on university policy. The judicial branch consists of an attorney general and a supreme court.

STUDENT PUBLICATIONS

The Chase is the campus newspaper edited by the students, published weekly, and distributed free of charge.

The Silver Pack, the yearbook, is published annually by students. It provides a pictorial and written review of the year's events.

Eastern Essentials is the student handbook and contains university policies and regulations.

STUDENT ACTIVITIES

The Associated Student Activities Board (ASAB) is responsible for the provision of cultural, educational, social and recreational programs for the Eastern New Mexico University student body. Student volunteers in ASAB produce and promote concerts, lectures, films, comedy programs, and many special events. Charged with the responsible administration of over \$100,000 annually, students contribute their creative talents and energies while gaining valuable experience in marketing, budgeting, time management and interpersonal communications. The opportunities for personal and professional growth are virtually limitless. All full-time students with a cumulative GPA of 2.3 are eligible for Board membership. For information on this organization contact the Director of Student Activities and Organizations at (505) 562-2227.

VISUAL AND PERFORMING ARTS

Numerous dramatic, musical and artistic events are produced each year by students and faculty through the College of Fine Arts. These events are attended by people from all over New Mexico and West Texas. In addition, the College of Fine Arts offers activities and lessons to all students for developing their artistic talents, for enriching their university educational experience, and for their fun and relaxation.

FRATERNITIES AND SORORITIES

ENMU encourages the development of social fraternities and sororities on campus. Fraternities represented are: Kappa Sigma, Phi Kappa Psi, Sigma Alpha Epsilon, and Sigma Chi. The sororities represented are: Chi Omega and Zeta Tau Alpha. Information may be obtained in the Student Life/Auxiliary Services Office, 562-2631.

INTERCOLLEGIATE ATHLETICS

Eastern New Mexico University is a member of the NCAA, Division II, and the Lone Star Conference. Varsity programs for men are offered in football, basketball, baseball, and cross country. Women's programs include volleyball, basketball, cross country, softball, and tennis.

Having become members of the NCAA and the Lone Star Conference in 1984, both men's and women's teams have proven themselves highly competitive in both organizations. Membership and participation in a conference has given the athletic program a much more intense sense of competition, as well as having offered the athletes a better opportunity to earn individual recognition. The athletic program strives to continue the winning tradition it has had through the years. ENMU is dedicated to recruiting quality student athletes who can contribute to the university community both on and off the field.

RECREATIONAL SPORTS

The recreational sports and fitness programs are administered through the Department of Athletics for students who do not participate in varsity sports. Recreational sports programs at ENMU seek to provide broad opportunities for participation in wholesome physical activities for fun, to promote optimum physical and mental health, and to provide a change-of-pace program for the busy university student. A long-standing recreational sports motto at ENMU is, "Fitness for Life!!"

INTERCOLLEGIATE RODEO

Rodeo teams at Eastern New Mexico University are highly regarded in regional and national competition. Both the men's and women's teams have repeatedly won national championships. The rodeo teams are members of the Southwest Region in the National Intercollegiate Rodeo Association. Scholarships are available.

NATIONAL STUDENT EXCHANGE (NSE)

From the snowy mountains of Maine to the sunny shores of California, the National Student Exchange (NSE) places students in the college or university of their choice, allowing them to experience a refreshing new climate, scenery, and culture. The benefits are far reaching in that students have additional curriculum offerings, travel opportunities, an expansion of cultural awareness, and a widening of the total educational experience. In short, participation in NSE will give students a significant life and educational experience without altering their academic progress. Exchanges can be facilitated for one or two semesters at Eastern's tuition cost.

Students of the sophomore, junior, or senior class with a cumulative grade point average of 2.5 or better, are eligible candidates for the program. NSE has over 170 participating institutions.

For additional information contact the Housing/Residence Life Office located in the Campus Union Building, or phone 562-2632. Application process begins every Fall semester, with exchanges commencing the following Fall and Spring semesters.

INTERNATIONAL EDUCATIONAL EXCHANGE (IEE)

International Educational Exchange (IEE) enables students enrolled at ENMU to complete a semester's or a year's study at a university abroad. The program is recommended for highly self-motivated, mature students. The following institutions have participated in the ENMU program to date: University of Plymouth, Exmouth and Exeter, England; Polytechnic Southwest, Exeter, England; Bristol Polytechnic, Bristol, England; Dartington College of Arts, Devon, England; Kansai Gaidai, Osaka, Japan; Memorial University, Newfoundland, Canada;

University of Prince Edward Island, Canada; and La Universidad Autonoma de Guadalajara, Mexico.

IEE makes study possible at a university abroad for a reasonable cost. Students pay academic tuition, fees, and in some cases, housing costs at ENMU, but receive these services, at no additional cost, at a (host) institution abroad. A student's only added cost is that incurred for travel or for personal expenditures which are optional. Limited financial aid is available to the IEE student.

IEE, under the auspices of the Vice President for Academic Affairs, is administered by an International Exchange Advisor (IEE Advisor) with the assistance of an ad hoc International Educational Exchange Committee. All students who are interested in making application for admission to the program must apply during the fall semester of the year preceding the planned period of study abroad. For additional information about the program, contact the IEE Advisor through the Office of Academic Affairs. See EXCH 300 on page 123.

ACADEMIC REGULATIONS

CATALOG OF RECORD

This catalog is a guide to the academic regulations and the curricula of Eastern New Mexico University. **Each student is solely responsible for complying with all regulations of the University and of the curricular program he/she selects.**

Students may graduate under the curricular requirements established in the catalog either for the year in which they were first enrolled at any ENMU campus or for a subsequent year of enrollment according to the following provisions: (1) the degree is conferred within six years of the date of the catalog, (2) all curricular requirements are governed by one catalog, and (3) the University can reasonably continue to offer the course of study. (Transfer students should refer to statement regarding catalog of record on page 10.)

Colleges reserve the right to require students to repeat or prove their competence in the content of course work considered outdated by passing a challenge examination. Specific information on this process is outlined in the "Course Challenging" section located on page 24 of this catalog.

Colleges have the authority to extend the six years for part time students who are continuously enrolled.

Curricular requirements are established by the University and include general education courses as well as specific discipline requirements. Each student's degree program is individually planned following catalog guidelines and advisor recommendations.

Students may petition their advisors for administrative approval of exceptions to the curricular requirements of their degree programs and to the academic regulations established by this catalog.

New catalogs are effective the fall term of the year in which they are published. Students may continue to use the courses (or appropriate course substitutions) and program requirements of the catalogs used at matriculation. **Academic standards and regulations, however, introduced in new catalogs apply to all students. Thus, probation and suspension regulations, specific grade-point average requirements, etc., apply to all students.**

The University may make changes and exceptions to the curricular and academic policies provided that administrative and governance procedures are followed and that affected students are given reasonable consideration to individually petition for exceptions.

DEGREE PLANS

The degree plan is a specific statement of the curricular program planned for the student, and as such, it defines more specifically than the catalog guidelines the course of study the student should pursue. The official degree plan must be filed in the appropriate Student Records Office at/by the completion of 45 hours (earlier in some com-

plex degree programs). Each student should confer with his/her advisor to prepare a degree plan. The degree plan is official after it has been approved by the advisor, department chair, and college dean and has been filed in the office of the college records clerk.

It is the student's responsibility:

1. to read and follow degree requirements established in this catalog,
2. to initiate the filing of an official degree plan at or before completing 45 hours.
3. to initiate changes and substitutions regarding his/her advisor assignment, major, minor, and other degree requirements,
4. to apply for graduation.

Students are required to declare a major at or before completing 45 hours. See the college records clerk in the college of the major field of study.

The student records office of each college maintains the working records of all students who have declared major fields of study within that college. Students should contact their respective college office for their records' processing as well as for assistance and information regarding University requirements and policies.

Undergraduate degree programs include general requirements for degrees, which must be fulfilled by all baccalaureate recipients, as well as specific requirements defined within the college, school and department curricular offerings. The general requirements include the "general education requirements," which are curricular plans that the faculty believe will lead each student to a broad and general level of knowledge and understanding. The typical student will complete most or all of his/her general education requirements within the first two years of full-time enrollment.

Students may petition their advisors, the discipline faculty and the academic administration for substitutions and exceptions to curricular requirements. Exceptions to university-wide academic requirements must be approved by the Vice President for Academic Affairs.

The University will not necessarily honor errors which are made in the recording of degree plan requirements which are in conflict with catalog requirements and for which advance approval has not been obtained. However, the University will attempt to resolve the conflict.

FRESHMAN SEMINAR

Three hours of UNIV 101 Freshman Seminar are required for all degree seeking students with fewer than 30 credit hours successfully completed. Course must be taken in the first semester of enrollment at Eastern New Mexico University. All first-year students at Eastern who have fewer than 30 credit hours are required to

enroll in UNIV 101: Freshman Seminar. Taught by the university's faculty, Freshman Seminar focuses on enhancing students' academic skills and getting them connected to campus. Preliminary data for the seminar, offered since Fall 1998, indicates that students enrolled in UNIV 101 are more likely to continue on to their sophomore year and have better academic success. Freshman Seminar is coordinated by the Office of Advising and The Freshman Year, SAS 232, (505) 562-2338.

CLEMENCY POLICY

The Eastern New Mexico University academic clemency policy allows qualified students to redeem their academic record.

Philosophy

Students who have attempted college work previously and were not successful in their effort and now wish to resume their college careers but are held back by poor academic records may, through the application granting of academic clemency, exclude from current work the poor academic record.

Criteria

To be considered for the program, a student must:

1. At the time of readmission have not attended ENMU or any of its branches or learning centers for five or more years.
2. Must complete the first 12 credit hours after returning with a minimum grade of "C" or better in each class taken. If more than 12 hours are attempted prior to seeking clemency, the student must earn a grade of "C" or better in each class attempted.

Procedure

Students who meet these criteria may apply for clemency in the Office of the Registrar after having successfully completed the first 12 or more credit hours with a grade of "C" or better in each class taken. No courses taken prior to the student's return will be counted in their Eastern New Mexico University GPA. Courses with a grade of "D" or better will be carried forward as earned credit only and can be used to meet degree requirements. A grade of "D", however, does not count in the students major or minor.

NOTE:

1. This policy pertains to the calculation of the GPA for progress toward degree completion and does not pertain to GPA calculated for graduation honors, professional certification and/or licensing (such as teacher education).
2. Students can avail themselves of this policy only once, and it is not reversible. Grades earned before clemency will continue to show on the

student's record, and a statement at the time of clemency will explain the action taken.

3. The student who has already graduated may not apply for clemency.

GRADUATION AND COMMENCEMENT

Students completing their degrees must apply for graduation in the student record's office during the semester in which they intend to graduate. Deadlines for applying for graduation are printed in the University Calendar; graduation fees are published in the Tuition and Fees section of this catalog.

Students who wish to participate in commencement exercises *must complete an application to march* in the Office of the Registrar *by the fourth Friday of the fall or spring term* to insure that a cap/gown will be available.

EARNING A SECOND ASSOCIATE OR BACHELOR'S DEGREE

It is possible for a student at ENMU to earn more than one degree. *If a student wishes to pursue two degrees concurrently, approval must be secured one year in advance of the anticipated date of graduation.* If a student wishes to pursue a second degree after having already completed one degree, a new degree plan meeting university policies must be established. A policy statement outlining all of the requirements for any second degree may be obtained at the Office of the Registrar or the college dean. It is the obligation of the student to obtain a copy of the statement and to follow stated policies. Graduation fees will be required for each degree awarded.

STUDENT OUTCOME ASSESSMENT

As part of its continuing effort to maintain the quality of academic programs, the University has implemented student outcome assessment. The program is designed to determine the level of student achievement in general education and in the student's academic major. Changes in student attitudes and values are also addressed. Student participation in the assessment program is mandatory. While these assessment activities are required, the scores are not part of a student's official transcript. Reporting of student outcome assessment for the general public will be aggregate form only.

Students who have accumulated 55 credit hours or more are required to take the Academic Profile test, which measures general education achievement. Individual Academic Profile scores will be used for student advising. Low scores may result in additional required courses or course work for the students who have low scores. For information about assessments required in their majors, students should consult with their academic advisors.

ACADEMIC INTEGRITY

Students are responsible for achieving academic and course goals and objectives as prescribed by their instructors and for demonstrating attainment in an honest manner. Failure to do so may result in two different outcomes. Misrepresentation of knowledge can influence a course requirement. Cheating, plagiarism, or other acts of academic dishonesty compromise the integrity of the academic process and community and are subject to disciplinary action. An act of academic dishonesty, at the will of the University, may result both in grade changes and/or disciplinary action.

Cheating behavior includes but is not limited to: (a) dishonesty of any kind on examinations, quizzes, written assignments and projects, (b) unauthorized possession of examinations, quizzes or instructor records, (c) use of unauthorized notes or information during an examination or quiz exercise, (d) obtaining information during an examination or assignment from another individual and/or assisting another to cheat, (e) alteration of grades on an examination or assignment or in instructor or university records, and (f) illegal entry or unauthorized presence in an office of the University or residence of an instructor or unauthorized access to grade records or examination and assignment requirements.

Plagiarism includes but is not limited to: offering the work of another as one's own; offering the work of another without proper acknowledgment; and/or failing to give credit for quotations or essentially identical expression of material taken from books, encyclopedias, magazines, other reference works, term papers, reports, or other sources of another individual.

ACADEMIC CREDITS

An academic credit, called a "credit hour," is the equivalent of one 50-minute "contact hour" (instructor to students) per week; other classes such as laboratories, physical education, music ensembles, and workshops require more "contact hours" than the "credit hours" indicate.

CLASSIFICATION OF STUDENTS

Student classification is based upon the following standard of credit hours earned:

Freshman	0-29
Sophomore	30-59
Junior	60-89
Senior	90-up

NUMBERING OF COURSES

Courses are numbered according to level. Courses numbered from 100 through 199 are primarily for freshmen; 200 through 299, for sophomores; 300 through 399, for juniors; 400 through 499, for seniors; 400 level courses with an asterisk (*400), for seniors and graduate students; 500-599, for graduate

students. Students should select courses according to their classifications, but may take courses at a lower level or one level above (i.e., freshmen may take 100 and 200 courses, sophomores 200 and 300, etc.). Courses which are offered at two or more levels with identical titles may not be repeated for credit with exception of courses specifically structured for repetition.

GRADUATE STUDY BY UNDERGRADUATE STUDENTS

Undergraduates who are nearing completion of their baccalaureate degree may register for appropriate courses for graduate credit (400/500) if they are: (a) enrolled in the final semester of their undergraduate work, (b) taking sufficient work to complete the requirements for the baccalaureate degree, (c) eligible for admission to the Graduate School, and (d) have a cumulative GPA of 3.00. Students wishing to earn graduate credit on this basis must obtain in advance the approval of the Dean of the Graduate School. The total combined enrollment in undergraduate and graduate work must not exceed sixteen hours for the regular semester and nine hours for the eight-week summer session. Graduate work taken under these provisions *may not* be used to meet undergraduate degree requirements.

STUDENT CLASS LOAD

A full-time course load is twelve through eighteen credit hours during a regular semester, six through nine during an eight-week summer session, and four through six during a four-week summer session. A student may take no more than twelve credit hours over the two four-week summer sessions. Overloads must be approved by the student's advisor and dean. In the summer, anything over nine hours is an overload.

DEVELOPMENTAL STUDIES

Developmental Studies courses—English 100, Math 101, and Reading 100—are designed to improve the abilities of entering students and better prepare them for college-level coursework. Placement in these courses is based on ACT/SAT sub-scores in writing, math, and reading; additional diagnostic and placement testing is offered. If a student's sub-scores fall below prescribed levels s/he must take these Developmental Studies courses, unless the student is 23 years of age or older or has earned 30 or more hours of college credit. Students who are returning to the classroom after several years absence and who have not completed math and English requirements may need to take placement tests through the advising office to determine their level.

Credit for DS classes is used to satisfy Financial Aid requirements, and grades earned in these classes are figured into the student's grade average. However, credits for these classes do not count toward the hours needed to graduate. To complete satisfactorily these classes, the student must earn a letter grade of C or better. If a student earns a grade of D or F, s/he must retake the course. [Please note: A student receiving a D and who retakes the class is not eligible to receive financial aid for that class again.]

Students must take English 100 and Reading 100 their first semester; Math 101 may be postponed one or two semesters. All Developmental Studies courses must be completed by the end of the third semester. Students must successfully complete any English 100 or Math 101 class in which they are placed before enrolling in other English or math classes. For additional information, contact the Office of Advising and The Freshman Year in SAS 232 or phone (505) 562-2338.

ENROLLMENT FOR NON-CREDIT (AUDIT)

Any student may enroll for a particular course or courses for no credit, while currently enrolled for other courses for credit. Class attendance and participation requirements for a non-credit student are to be individually determined by the instructor of the course. Students may change their enrollment from credit to non-credit, or from non-credit to credit, only during the drop/add period as established in the University Calendar. Courses taken for non-credit will appear on the student's transcript as "NC" with no credits recorded and no grades assigned. Tuition and fees are the same for students enrolled for non-credit as for students enrolled for credit.

ATTENDANCE POLICY

Each student is expected to attend all class sessions of each course for which he/she enrolls. Faculty members will establish and state in the syllabus the attendance, grading, and make-up policies for their courses. It is the responsibility of the student to adhere to the policies of the instructor.

Absences due to participation in sanctioned University activities are considered to be authorized absences. Sanctioned activities are those which have been approved in advance by the dean of the college or the director of the unit sponsoring the activity. The sponsor of sanctioned activities will submit to the Office of Student Affairs, the names of student participants and the dates of their absences. This information will be published in the *Monday Memo*.

Participation in sanctioned activities does not relieve the student of the obligation to meet the stated requirements of the course. It is the responsibility of the student to make arrangements with the instructor for any make-up work. Arrangements for make-up work must be made in advance of the absence.

GRADING SYSTEM-GRADE POINTS

Grades are based solely upon performance. They are not based upon how difficult the subject is for the student, how much time the student must devote to the course, or on the student's academic status. Above all, *grades are not negotiable*.

Grades A, B, C, D, and F are earned and recorded at ENMU; under certain circumstances as described below, grades CRE, I, W, S, and U may be recorded. In computing the grade point average, the total of credits in which the grades of A, B, C, D, or F have been earned is divided into the total number of grade points earned.

A- The "A" grade indicates that the work has been outstanding, the quality has been exceedingly high, and more than the minimum amount of work has been done. The "A" student will demonstrate both a wider and deeper understanding of the subject than any other student. *Four grade points per credit hour.*

B- The "B" grade indicates that the quality of the work has been high, that all of the assigned work has been properly and correctly done, and that classroom performance on tests, recitations, reports, etc. has been consistently well above average. The "B" student occasionally exceeds the minimum mandates of the course. This grade should identify the student who is ready for, and is capable of, advanced work in the same subject. *Three grade points per credit hour.*

C- The "C" grade indicates that the quality of work has been generally good, that most of the assigned work has been acceptably done, and that classroom performance is quantitatively average for the class. The "C" student rarely does more than the minimum. *Two grade points per credit hour.*

D- The "D" grade indicates that the quality of the work has been poor, that the assigned work has been substandard and often incomplete (or late), and that classroom performance has been well below average. **A "D" grade will not count in the student's major or minor programs.** *One grade point per credit hour.*

F- The "F" indicates failure and is given in cases of exceptionally poor performance. *Zero grade points per credit hour.*

I- Incomplete: **The "I" grade is given for passing work which could not be completed due to circumstances beyond the student's control. The following regulations apply to "I" grades:**

1. In no case is an "I" to be used by faculty to avoid the assignment of "D" or "F" grades for marginal or failing work.
2. The instructor will submit a copy of the signed incomplete "contract form" to the Registrar showing what must be done to make up the "I".

3. The work to make up an "I" must be completed by the time specified on the incomplete contract form and to which the instructor and student have agreed; but, in no case will the time exceed beyond the next regular semester (summer does not constitute a semester for this regulation).

4. Change of an "I" is accomplished by the instructor submitting a change of grade form to the Registrar when the work has been completed. An "F" grade may be given for inadequate work or work not completed in a timely fashion. A student cannot change an "I" by re-enrolling in the course. Repeating a course will give the student a new grade but will not remove the "I" from the previous registration.

5. An "I" grade will not replace an "F" grade for grade point average determination.

S- Satisfactory: An "S" grade is earned by satisfactory completion of a short-term workshop or other unique courses which has been designated for S-U grading. Grade points are not given in these courses.

U- Unsatisfactory: A "U" grade is earned by doing unsatisfactory work in a short-term workshop or other unique courses which has been designated for S-U grading. Grade points are not given in these courses.

W-Withdrawal: A grade of "W" is recorded when the student has formally withdrawn from the University during the time between the last day of registration and the first day of final examinations, or from a course between the last day of registration and the date published in the semester schedule of classes. Instructors are not to give W's unless they have been given a copy of the withdrawal slip by the registrar.

CRE-Credit by examination. No grade points given.

CORRECTION OF GRADE

A grade may be changed only if an error has been detected in the calculation or recording of the grade. Such corrections shall be made only after reasons for such change have been submitted in writing by the instructor and approved by the dean of the college with verification of procedure by the Registrar. *No grade change requests will be considered after a period of one calendar year following the recording of the grade on the transcript.*

GRADE REVIEW POLICY

The principle of academic freedom dictates that a faculty member is responsible for and has authority over grades which he/she assigns, and the criteria by which the student is evaluated. However, the University has developed a grade review procedure which allows for an objective view of a disputed grade. The specific Policy for Review of Grades is available in the offices of college deans or in the Office of Academic Affairs. *No grade review request will be considered after a period of one calendar year following the recording of the grade on the transcript.*

COLLEGE LEVEL EXAMINATION PROGRAM (CLEP)

ENMU participates in the College Level Examination Program of the College Entrance Examination Board under the following provisions:

1. Up to 6 credit hours in each of the five CLEP General Examination areas may be established for scores at or above the 50th percentile on the examinations. (Credit will be assigned to specific courses.)
2. CLEP subject-area examinations will be considered individually and accepted at the 50th percentile.

3. ENMU will accept transfer CLEP subject credit without consideration of the percentile or score accepted by the transferring institution.
4. CLEP credit cannot be used to establish credit for a course in which an "F" grade has been recorded.
5. CLEP credit will not be awarded if a student has received college credit for the same course or its equivalent.
6. The evaluation and recording of CLEP credit will be once each semester. Official test reports must be sent by the testing organization to the Office of the Registrar.
7. Credit will be awarded to students who have earned at least 12 semester hours of credit on an ENMU campus.

SCHOLASTIC HONORS

Eastern New Mexico University publishes an undergraduate honor roll list at the end of each regular semester. To be eligible a student must complete a minimum of 15 hours of courses with a GPA between 3.25 and 4.00. Audit hours are not included toward meeting the minimum 15 hours.

GRADUATION HONORS

Honors for graduation are determined by the following scale. Honors are awarded for baccalaureate degrees only. Cumulative grade point averages are calculated after the last grading period prior to the student's final enrollment. Students whose final enrollment grades change their graduation honors status will have diplomas reordered to reflect the new honor status, delaying receipt of the diploma.

Summa Cum Laude	3.800-4.000 GPA
Magna Cum Laude	3.700-3.799 GPA
Cum Laude	3.600-3.699 GPA
With Distinction	3.500-3.599 GPA
	with recommendation by college dean

Graduation honors are awarded on the student's career GPA.

HONORS OPPORTUNITIES

High-ability students have the option of several special opportunities, including taking honors level classes and participating in several intellectual and social events during the year. For additional details, see page 36.

PROBATION AND SUSPENSION

Students will be placed on probation or suspension based on the following table:

Total ENMU hours for which grades were earned	Probation	Suspension
0-16	Cumulative GPA below 2.0	
17 or more	Cumulative GPA below 2.0 and Semester GPA 2.0 or above	Cumulative GPA and *Semester GPA below 2.0 following one semester on probation.

Any student who is placed on probation will remain on probation until:

1. Suspended (Cumulative and semester GPAs are below 2.0), **OR**
2. Advance to good standing (Cumulative GPA is 2.0 or higher).

*A student must have a cumulative GPA of 2.0 or above to graduate.

A student suspended from any ENMU campus must petition for admission/re-admission to the Admissions and Standards Committee of the desired campus of enrollment. Academic suspension will always be immediately preceded by at least one semester of academic probation. For provisional freshman admits and transfer students not admitted in good standing, the first semester of attendance will be the probationary semester. A student suspended for the first time will not be allowed to apply for re-admission to ENMU until after one REGULAR semester (fall or spring) has elapsed. A second academic suspension will result in a suspension of TWO REGULAR semesters before the student may apply for re-admission. Re-admission in either

instance is not automatic. A student re-admitted after suspension will be placed on a suspension waiver with specified conditions of enrollment. These conditions may include a required GPA, repeat of certain courses, or other appropriate requirements. FAILURE TO MEET THE CONDITIONS OF THE SUSPENSION WAIVER may result in disenrollment, further suspension, or denial of re-admission to the University. Upon a third academic suspension, the student will not be allowed to re-enroll at ENMU. The student may appeal a suspension to the Admissions and Standards Committee.

REPEAT OF A COURSE

A course may be repeated once to replace the initial grade earned in a course. Any student who wishes to take advantage of this policy must file an official "First Repeat Course Form" prior to completion of the baccalaureate degree. The following regulations will apply:

1. A repeat course must correspond in number, title, and description to the original course taken. For courses with number or title changes, approval must be secured in advance from the department, the college dean and the registrar. A course of one type may never be repeated by a course of another type, e.g., a directed study for a regularly scheduled classroom course, etc. A transfer student may repeat a course taken at another institution provided the request is to repeat the course for the first time and the two courses are approved as equivalents by the dean of the college in which the repeat course is to be taken.
2. Both course enrollments and grades will appear on the transcript, but only the second grade earned will be used to calculate the cumulative grade point average. Where there is a difference of hours of credit or of course number level, the value of the repeat course will be used for the purpose of calculating the cumulative grade point average and in determining the satisfaction of degree requirements.
3. A student must receive approval, through the appropriate unit dean, to allow a repeat for an equivalent course at a non-ENMU campus. The student must then submit the "First Repeat Course Form" to the registrar's office with the signature of the appropriate unit dean.
4. A grade of "I" for a repeat course will not replace a previous grade.
5. Withdrawal from a repeat course shall cause the repeat to be cancelled and the previous academic record shall remain valid. The student may choose to repeat the course again after the withdrawal.
6. A student may repeat a course only once to have his/her first grade removed from the grade point calculation. Any additional repeats will be used in computing the cumulative grade point average.
7. Any course repeated after a bachelor's degree has been posted *does not* count for GPA adjustment as per this section.

COURSE DROP/ADD/ WITHDRAWAL

A student may change his/her registration by adding and/or dropping courses or by withdrawing from a course within the deadlines set in the University Class Schedule. A course dropped during the appropriate period will not appear on the student's transcript. A course withdrawn from during the appropriate period will appear on the student's transcript with a grade of "W". Refunds will be made for withdrawals during these time periods according to the refund schedule printed in the class schedule. In a variable credit course *all* hours must be dropped or withdrawn from, not just a portion of them. All exceptions to these policies must be approved by the Vice President for Academic Affairs.

COMPLETE WITHDRAWAL FROM THE UNIVERSITY

A student may completely withdraw from the University by the deadline published in the semester schedule of classes. Full-time enrolled students must complete a university withdrawal procedure starting at the Counseling and Career Services Office in SAS. Part-time evening college students may withdraw at the Office of the Registrar. Grades will be posted for students who do not go through official withdrawal. A student who is forced by emergency circumstances to leave the University without officially withdrawing should notify the Counseling and Career Services Office and request an administrative withdrawal. In the event that the student is unable to make such a call, the parents or guardian may do so on the student's behalf. Refunds will be made according to the tuition and fees refund schedule on page 14.

INDEPENDENT STUDY COURSES

Several courses are offered which provide students with the opportunity to earn credit for independent study. Requirements and topics are established by the instructor in consultation with the student *prior to registration*.

An "Approval for Special Study Courses" form must be completed by the student and signed by the instructor and the college dean prior to registration. This form includes the topic of study and the number of credit hours to be earned. Copies of this agreement are filed in the student's college file and with the registrar.

Grading for independent study courses is the same as for all other courses of the University unless otherwise specified.

CREDIT BY EXAMINATION

The maximum amount of credit from a combination of special credit or examination(s) (ACT, CLEP, Challenge, Military Service Credit, Advanced Placement) which may be applied toward a bachelor's degree is 50 credit hours. The maximum amount of this credit from a combination of examination(s) which may be applied toward an associate's degree is 32 credit hours.

COURSE CHALLENGING

Course Challenging is an alternative approach to traditional classes for earning credit in a course. This option is available for students enrolled through ENMU-Portales.

A full-time student on the main campus may receive credit for a course without class attendance. A part-time student on the main campus may petition for challenge credit as well.

A student wishing to challenge a course offered by the department and listed in the catalog begins by consulting with the instructor of that course and the department chair. A student who has already enrolled in the course or who has attended more than four weeks of the course will not be eligible to challenge the course. The faculty member or chair may require that the student produce materials demonstrating the student's preparation in the area challenged or evidence of prior course work. Normally, a student will not be allowed to challenge a course if a higher-level course has already been taken and passed. Course challenges may take the form of exams, projects, writing assignments, or several different measures of course competency. Students should discuss these requirements with the instructor and department chair before deciding to challenge a course.

After consultation, the student should secure a memo from the instructor and chair authorizing the challenge. This memo, when signed by the dean, should be taken to the cashier, the challenge fee paid, and the receipt plus the memo returned to the instructor administering the challenge.

The challenge exam will be scheduled at a time convenient both to the student and the instructor. If the challenge is successfully completed, the faculty member completes a "Challenge Form" (Change of Grade form amended to read "Challenge") reflecting a "CRE" grade awarded for the challenge if the student has earned a "C" or better. If the student did not earn a "C", no form is completed and no entry is made on the student's transcript. A student may petition to challenge the course a second time, but another fee must be paid and a different test must be prepared. A maximum of 21 credits may be earned through course challenging. For CLEP examination, ACT, and AP credit options, please see above and pages 23 and 24.

ACT CREDIT EXAMINATION PROGRAM

1. ENMU will give up to 9 hours of credit for ACT examination scores as follows:

Course	Score	Credit Applied	To
English	31	3 hours	ENG 102
Math	31	6 hours	MATH 107 and 113

2. Credit is given to beginning or transfer freshmen who take the ACT examination BEFORE the first registration at ENMU-Portales. High school students participating in the early admission program must have taken the examinations before the first full-time registration. Credit is awarded only after successful completion of 12 or more credit hours at ENMU-Portales.
3. Any credit earned through CLEP, AP, and ACT must be mutually exclusive. A student cannot earn three hours of English credit through ACT and another three hours of credit for English through CLEP, or AP, for example. The total number of credits accepted from any combination of CLEP general and ACT cannot exceed 30 credit hours.
4. Contact the Office of Admissions for further details.

ADVANCED PLACEMENT (AP) EXAMINATIONS

Students may earn credit from Advanced Placement (AP) Examinations in all areas except studio art and history. Credit may be awarded to beginning freshmen who complete AP examinations BEFORE full-time enrollment at Eastern New Mexico University in Portales. Credit is awarded only after successful completion of 12 or more credit hours. AP credit will be accepted for transfer students as recorded on official transcripts from accredited colleges.

Please see page 26 for listings of credits, score levels, and course equivalents for AP examinations.

Please contact the Registrars Office for further information about AP credits.

VETERANS' STANDARDS OF PROGRESS

Courses at ENMU are approved for certification of veterans, active military personnel, and eligible dependents for educational assistance under the G.I. Bill.

For certification purposes, the following load requirements are specified:

	Undergraduate Credit Load	Benefits Allowed
Fall/Spring Semesters	12	full pay
	9-11	three-fourths pay
	6-8	one-half pay
	less than 6	tuition only
Summer Sessions:		
4 weeks	3	full pay
8 weeks	3	one-half pay
	4-5	three-fourths pay
	6	full pay

After proper certification has been made and approved, persons receiving veteran benefits are required to make "satisfactory progress toward an educational goal" to continue receiving benefits. Generally, students are making "satisfactory progress" when scholastic requirements and attendance policies as published in this catalog have been fulfilled. In addition, students must satisfy program rates as stipulated by law. It is the veteran's responsibility to confirm details of certification in the Office of the Registrar, AD 105. This certification is necessary for each term of attendance in order to initiate veteran benefits.

Application for advance pay must be submitted 45 days in advance. Regular monthly payments are made at the end of each month.

ENMU Advanced Placement Credit Awards

Examination	Score Level	Sem. Hrs.	ENMU Course Equivalent
Art History	3	3	ART 261
	4,5	6	ART 261 & ART 262
Biology	4,5	8	BIOL 113/113L & BIOL 121/121L
Chemistry	4,5	5	CHEM 151/151L/151R
Computer Science			
A	3	3	CS 123
AB	3	3	CS 123
	4,5	6	CS 123 & CS 201
Economics			
Microeconomics	3,4,5	3	ECON 222
Macroeconomics	3,4,5	3	ECON 221
English			
Language & Composition	3,4,5	3	ENG 102
Literature & Composition	3	3	ENG 102
	4,5	6	ENG 102 & ENG 211
French, Level 3			
Language	3	4	FR 101 or FR 102
	4,5	6	FR 201 & FR 202* Pending department faculty review
Literature	4,5	6	FR 420 & either FR 201 or 202* Pending depart. fac. review
German	3	4	Language Elective
	4,5	6	Language Elective
Government & Politics			
United States	4,5	3	PSCI 102
Comparative	4,5	3	PSCI 207
History			
United States	4,5	6	HIST 101 & HIST 102
European	4,5	6	HIST 121 & HIST 122
Physics			
B	3	3	PHYS 151* Pending department faculty review
	4,5	6	PHYS 151 & PHYS 152* Pending department faculty review.
C	3	3	PHYS 151* Pending department faculty review.
(mechanics)	4,5	6	PHYS 151 & PHYS 201* Pending department faculty review.
(mechanics, electricity & magnetism)	4,5	9	PHYS 151, PHYS 201 & PHYS 202* Pending dept. fac. review.
Psychology	3,4,5	3	PSY 101
Latin	3	4	Language Elective
	4,5	6	Language Elective
Mathematics			
Calculus AB	3	3	MATH 123
	4,5	6	MATH 123 & MATH 131
Calculus BC	3	6	MATH 123 & MATH 131
	4,5	9	MATH 123, MATH 131 & MATH 201
Music Theory	3	3	MUS 151
	4,5	6	MUS 151 & MUS 152
Spanish, Level 3			
Language	3	4	SPAN 101 or 102
	4,5	6	SPAN 201 & SPAN 202* Pending department faculty review.
Literature	4,5	6	3 cr. hrs. of upper-division electives in Spanish & either SPAN 201 or SPAN 202* Pending department faculty review

EASTERN NEW MEXICO UNIVERSITY



GENERAL DEGREE REQUIREMENTS

Each student is solely responsible for complying with all academic regulations of the University and with all academic requirements of the curricular program he/she selects.

ASSOCIATE DEGREE REQUIREMENTS

1. 64 hours minimum.
2. 2.0 GPA
3. 2.0 GPA in major (Colleges may require higher in major).
4. 15 hours minimum earned from an ENMU campus.
5. General Education courses, if specified, in degree plan.
6. Subject matter curricula specified in degree plan.
7. Three hours of UNIV 101 Freshman Seminar are required for all degree seeking students with fewer than 30 credit hours successfully completed. Course must be taken in the first semester of enrollment at Eastern New Mexico University.

NOTE: The maximum number of hours which may be applied to the associate degree from ACT, advanced standing, CLEP, or challenge examinations, or from military credit is 32.

BACHELOR'S DEGREE REQUIREMENTS

1. 128 hours minimum.
2. 46-50 hours minimum of General Education courses.
3. 40 hours minimum of upper division work.
NOTE: All BBA Degrees require at least 51 hours of upper division business course work (300 and 400 level classes), except Agricultural Business, which requires 45 upper division hours.
4. 2.0 GPA
5. 2.0 GPA in major and minor (Colleges may require higher in major).
6. 32 hours completed at ENMU.
7. 24 hours of the final 33 hours must be taken at Eastern New Mexico University.
8. 15 of the final 33 hours must be upper division.
9. Three hours of UNIV 101 Freshman Seminar are required for all degree seeking students with fewer than 30 credit hours successfully completed. Course must be taken in the first semester of enrollment at Eastern New Mexico University.

NOTE: The maximum number of hours which may be applied to the bachelor's degree from ACT, advanced standing, CLEP, or challenge examinations, or from military credit is 50.

BACHELOR OF ARTS (BA) DEGREE REQUIREMENTS

1. The 9 Bachelor's Degree Requirements stated above.
2. a. 24 hour (minimum) major; AND
15 hour (minimum) minor, or a second major.
OR
b. 54 hour (minimum) composite major.
3. Proficiency in a second language (other than English).
 - a. 1 year (courses 201, 202) of a language successfully studied in high school.
 - b. 2 years (courses 101, 102, 201, 202) of a language begun in college.
 - c. Passing a language proficiency test at the second year level.

BACHELOR OF SCIENCE (BS) DEGREE REQUIREMENTS

1. The 9 Bachelor's Degree Requirements stated above.
2. 24 hour (minimum) major.
3. 15 hours (minimum) minor, or a second major.
OR
4. 54 hour (minimum) composite major.

ACADEMIC ADVISING

When the first-time college students enroll at Eastern, their Freshman Seminar instructor serves as academic advisor for their first year. Freshman Academic Advisors (Freshman Seminar instructors) help students plan their first two semesters of courses, explore majors, and learn to do their own academic planning. When students declare their major (see below), they are assigned a new academic advisor who teaches in their chosen major. Academic advising is the responsibility of the University Academic Advising Coordinator and the Freshman Academic Advising Coordinator. Their offices are located in the Office of Advising and The Freshman Year, SAS 232, (505) 562-2338.

DECLARATION OF A MAJOR

On the ENMU admissions forms, students indicate an area of academic interest. However, all students must formally declare a major. *The student is required to declare a major at or before the completion of 45 hours.* This allows for careful planning with an academic advisor in the major field for meeting the requirements of that major. One declares a major by meeting with the records clerk of the college in which the major discipline resides and filling out a "Declaration of Major" form.

DEGREE PLAN

An official degree plan must be filed at or before completing 45 hours. This degree plan is signed by the student, advisor, department chair, and college dean and filed with the appropriate records clerk.

Records clerks are located as follows: College of Business, COB, Room 206; College of Education and Technology, Education Bldg., Room 107; College of Fine Arts, Music Bldg., Room 210; College of Liberal Arts and Sciences, JWLA Bldg., Room 204; Department of Health and Physical Education, Greyhound Arena, Room 44; Department of Family and Consumer Sciences and Agriculture, Technology Bldg., Room 119B.

CHANGE OF A MAJOR

A student may change majors at any time by reporting to the college into which he/she wishes to go and by filing a "Change of Major" form with that college records clerk. Students may be encouraged to come forward to the current catalog when changing majors.

COMPOSITE MAJOR

The composite major requires a minimum of 54 hours in two or more related fields. Composite majors do not require a minor. **A "D" grade will not count in the composite major.**

MAJOR

A major is an area of specialization for a student, usually consisting of 36 hours in that area. Thirty-six hour majors require a minor as well in Bachelor of Arts (BA) and Bachelor of Science (BS) degrees. **A "D" grade will not count in the major.**

MINOR

A minor is a second field of study in which a student may earn a minimum of 15 hours. **A "D" grade will not count in the minor.**

ACADEMIC ABBREVIATIONS

The following are abbreviations used to denote courses in a particular discipline and will be used throughout this catalog:

ACCT	Accounting
AG	Agriculture
ANTH	Anthropology
ART	Art
BED	Business Education
BIOL	Biology
BLED	Bilingual Education
BUS	Business Administration
CDIS	Communicative Disorders
CHEM	Chemistry
CIS	Computer Information Systems
COMM	Communication
CS	Computer Science
CJ	Criminal Justice
DNC	Dance
ECON	Economics
EDF	Education Foundations
EET	Electronics Engineering Technology
ELED	Elementary Education
ENG	English
ENGR	Engineering
EXCH	Exchange Study
FCS	Family and Consumer Sciences
FIN	Finance
FR	French
GEOG	Geography
GEOL	Geology
GR	Greek
HEB	Hebrew
HIST	History
HPE	Health and Physical Education
HUM	Humanities
MATH	Mathematics
MGT	Management
MKT	Marketing
MUED	Music Education
MUS	Music
NURS	Nursing
PHIL	Philosophy
PHSC	Physical Science
PHYS	Physics
PSCI	Political Science
PSY	Psychology
RED	Reading Education
REL	Religion
SED	Secondary Education
SOC	Sociology
SPAN	Spanish
SPED	Special Education
STAT	Statistics
THTR	Theatre
UNIV	Freshman Seminar

DEGREE ABBREVIATIONS

AA	Associate of Arts
AS	Associate of Science
BA	Bachelor of Arts
BAE	Bachelor of Arts in Education
BAS	Bachelor of Applied Science
BBA	Bachelor of Business Administration
BFA	Bachelor of Fine Arts
BM	Bachelor of Music
BME	Bachelor of Music Education
BS	Bachelor of Science
BSE	Bachelor of Science in Education
BSN	Bachelor of Science in Nursing
BUS	Bachelor of University Studies

GENERAL EDUCATION REQUIREMENTS

NOTE: General Education Requirements for teaching degrees differ from those for other degrees and may be found on page 42.

COURSE REQUIREMENTS

- I. Communicating Effectively 12 hours
 - ENG 102 or 108 3 hours
 - ENG 104 or 109 3 hours
 - COMM 101/101L or 102 3 hours
 - CIS 151 or CIS 251 or CS 114 3 hours
- II. Understanding and Applying Mathematical Principles 3-7 hours
 - Option A (any two):
 - MATH 107, 110, 111, 113, 114, STAT 213 6-7 hours
 - Recommended sequences : (1) MATH 113, 114 (2) MATH 107 or 110, STAT 213
 - Option B: MATH 124 or any math class with this as a prerequisite 3-4 hours
- III. Wellness 2 hours
 - HPE 142 1 hour
 - HPE activity course 1 hour
 - (Active duty military and veterans may secure a waiver for these two hours)

CLASSES LISTED BELOW ARE CURRENTLY APPROVED FOR THE "DISTRIBUTIVE" CATEGORIES

- IV. Science (with labs; 2 classes from different disciplines) 8 hours
 - Classes cover the scientific method and history of science, focusing on "discovery" approaches and general themes as opposed to primarily being a data-oriented class.
 - One Life Science: BIOL 4 hours
 - One Physical Science: CHEM, GEOL, PHYS 4 hours
- V. Arts (2 classes from different disciplines) 6 hours
 - Classes focus on creative thinking, concept of beauty, the process of expressing art and its role in culture, etc.; include appreciation and creative applications classes.
 - ART 101, 106, 131, 165, 166, 210, 231, 271
 - DNC 101, 102, 108, 210
 - MUS 101, 103, 113, 151, 163, Music Ensembles
 - THTR 111, 121
- VI. Social Science (2 classes from different disciplines) 6 hours
 - Classes focus on individual and society and an understanding of social behavior from various modes of inquiry; classes also relate the student's own experiences to the complex, pluralistic, global societies.
 - ANTH/GEOG 103, 233, ANTH 243
 - BUS 151
 - ECON 221, 222
 - FCS/ELED 221
 - PSCI 101, 102
 - PSY 101, 134, 201, 202
 - SOC 101, 212, 215
- VII. Humanities (2 classes from different disciplines) 6 hours
 - Classes explore traditions and thinking which shaped the Western world; various modes of analysis, varied ways people have experienced their culture and the larger world. This section includes traditional "humanities" disciplines such as history, philosophy, literature, languages, religion, but might also include classes from other disciplines.
 - HIST 101, 102, 121, 122, 203
 - ENG 201, 211, 221, 222, 275
 - FR 101, 102, 201, 202
 - HUM 221, 222
 - PHIL 201, 202, 211
 - REL 101, 103
 - SPAN 101, 102, 201, 202
- VIII. UPPER DIVISION - Diversity/Global 3 hours
 - Junior-level classes with an interdisciplinary approach to cultural diversity and global interconnectedness; class should be writing intensive, focus on general education concepts and include issues of ethics, civil responsibility, justice, etc. Classes could come from any discipline, but need to be general enough for enrollment of students who have completed only general education classes in the area, i.e. no other prerequisites.

TOTAL GENERAL EDUCATION REQUIREMENTS 46-50 hours

GENERAL EDUCATION PHILOSOPHY

Purpose

The general education curriculum at Eastern New Mexico University is designed to:

- prepare graduates for a lifetime of learning and responsible citizenship;
- provide for the study of a broad spectrum of subjects, beyond student's chosen field; and
- help students develop substantial analytical and communicative skills, gain a sense of social, ethical, and cultural values, and appreciate the application of these values in societies.

Learning Requirements

The general education curriculum is designed to fulfill the following learning outcomes:

- use written and spoken English effectively, which includes the ability to read and to listen with understanding and critical discernment;
- understand and apply scientific principles and develop an awareness of the role of science and technology in the contemporary world;
- understand and be able to utilize modern technology (including computer literacy);
- understand and apply basic mathematical principles;
- gain a basic understanding of human society and cross-cultural variations, including the ways individuals and groups function, interact and change;
- gain a perspective on the humanities in order to appreciate their value to the individual and society;
- develop an awareness and appreciation of fine arts through cognitive activities and affective experiences.
- develop an awareness and appreciation for culturally diverse value systems and modern realities of global interconnections within a framework of understanding and justice;
- acquire abilities to promote physical and mental well-being;
- pursue the opportunity to explore or further develop interests outside major or minor

SUBJECT MATTER ENDORSEMENT AREA/MINOR

A subject matter endorsement area/minor is a component of a teaching degree. It is a second field of study and prepares a student for licensure to teach in that field as well as in his/her major. The subject matter endorsement area is the minor for teaching degrees and generally requires a minimum of 24 hours.

EMPHASIS

An emphasis is an area of specialization within a major.

HONORS OPPORTUNITIES

The University seeks to promote academic excellence by bringing together outstanding students with talented faculty in an innovative curricular process. To that end, ENMU offers special classes for high-ability students. Some of the courses are team-taught and interdisciplinary in nature. The course offerings will count toward general education, major, minor, and elective degree requirements

Eligibility

Matriculating students with ACT Composite score of 25 or above (1050 SAT) are invited to enroll in honors courses. Other students who do not believe their ACT Composite score reflects their abilities may contact the instructor of an Honors class for permission to enroll. Students remain eligible to take Honors courses by maintaining a 3.5 cumulative grade point average.

Recognition

Students in Honors classes participate in several special intellectual and social events scheduled during the year. Student transcripts will indicate Honors course work has been completed.

STUDENT DESIGNED EDUCATIONAL PROGRAM

The Student Designed Educational Program (SDEP) allows a student, with appropriate advisement, supervision and approval, to design a major tailored to meet his/her specific academic and career goals. The plan utilizes existing courses in the ENMU catalog and schedule, and is a logical and cohesive approach to developing the knowledge, skills, competencies, and expertise needed to meet the proposed objectives of the plan. The proposed SDEP must be based on a reasonable and defensible rationale, and must document the fact that existing majors do not meet the career or academic goals of the student.

The proposal for the SDEP must be submitted by the student to a committee of faculty from the appropriate departments and deans of appropriate colleges, *prior to the beginning of the junior year (60 hours)*. The proposal must contain the following:

1. A rationale/justification for the proposed program, including an explanation of why existing majors do not fulfill the student's needs;
2. Academic and/or career goals and objectives to be met by the program;
3. Appropriate course clusters (from existing courses) which are designed to meet the goals and objectives.

Once approved by the appropriate faculty and administrators, the proposal becomes the degree plan and is altered in the same manner.

Proposal forms for the SDEP are available in the deans' offices and the Office of Academic Affairs.

DEGREE: Bachelor of Arts (BA) or Bachelor of Science (BS)

MAJOR: Student Designed Composite (2 or more areas)

1. **Bachelor's Degree Requirements, see page 28.**

Includes:

UNIV 101 Freshman Seminar (3)

2. **General Education Requirements (46-50 hours), see page 30.**

3. **Courses in Composite Major (54-60 hours)**

Must have a minimum of 36 hours of upper division course work.

4. **Electives (15-25 hours)**

COLLEGE OF BUSINESS

Our mission is to provide a relevant, innovative education which prepares individuals for professional careers and lifelong learning. We achieve our mission through

- the recruitment and retention of a diverse faculty and student body,
- a curriculum responsive to the needs of the marketplace,
- the provision of distance learning to Eastern New Mexico via the latest in education technology, and
- adherence to professional accreditation standards.

We operate through an open and accessible governance structure which allows for, and promotes, self and independent evaluation for both faculty and students. The College of Business is organized by functional area rather than academic discipline. The Department of Business Foundations is responsible for the development and delivery of the core business curriculum. The Department of Advanced Business Studies designs and monitors the course requirements for specific business majors, minors and/or areas of concentration.

Professors:	Bill Brunsen Dale Davis
Associate Professors:	Janet Buzzard David Hemley Gerry Huybregts Donald Morris
Assistant Professors:	Ron Blevins John Humphreys Randy McFerrin Annette Garcia Sehorn
Instructors:	Trish James-Maguire Peter Kaunitz Marcus Kellerman Brendon Sehorn

The College of Business awards the Bachelor of Business Administration (BBA). General Education Requirements and the Business Core Requirements are common to all BBA degrees and are listed below.

	Minor	Major	Degree
Accounting	*	*	BBA
Agricultural Business		*	BBA
Applied Economics and Finance		*	BBA
Business	*		
Business Administration		*	BBA
Business Education	*	*	BBA
Computer Information Systems	*	*	BBA
Economics	*		
Human Resource Management	*	*	BBA
International Business	*		
Marketing	*	*	BBA
Marketing Education	*	*	BBA

General Education Requirements for all BBA degrees (50 hours)

COMM	102	Public Speaking (3)
ECON	221	Principles of Macro Economics (3)
ENG	102	English Composition (3)
ENG	104	English Composition and Research (3)
MATH	110	College Algebra (3)
PSY	101	Introductory Psychology (3)
STAT	213	Statistical Methods I (4)

28 hours that meet the general education requirements on

page 30.

Students must achieve a grade of "C" or better in all general education requirement courses specified by the College of Business for the BBA degree.

Business Core Requirements for all BBA degrees (43 hours)

ACCT	201	Introductory Accounting I (4)
ACCT	202	Introductory Accounting II (3)
BUS	151	Introduction to Business (3)
BUS	315	Business Law I (3)
BUS	330	Production and Operations Management (3)
BUS	453	Business Strategy and Policy (3)
CIS	151	Basic Computer Skills (3), OR
CIS	251	Information Processing Concepts/ Applications (3)
CIS	351	Microcomputing for Business (3)
ECON	222	Principles of Micro Economics (3)
ECON	322	Intermediate Microeconomic Theory (3)
ENG	325	Professional and Technical Writing (3)
FIN	311	Corporation Finance (3)
MGT	313	Contemporary Organizational Behavior (3)
MKT	301	Principles of Marketing (3)

The Bachelor of Business Administration degree requires at least 51 hours of upper division business credits, except Agricultural Business, which requires 45 upper division credits.

Students must earn a grade of "C" or better in all courses required for the BBA degree. **Students are allowed to repeat required courses only ONCE in order to successfully achieve the grade of "C" or better in an individual course.** Any course in which a student receives a grade (A, B, C, D, F, W, or I) will constitute one attempt at taking the course, thus leaving the student only one opportunity to repeat the course. This requirement is effective for all courses which the student has not attempted prior to Fall 2000.

ACCOUNTING

The objectives of the accounting program are to prepare students for entry into the accounting profession and to provide courses that will facilitate the attainment of professional accounting certification. Professional certification and career paths are available as follows:

- A. Public Accounting--Certified Public Accountant (CPA),
- B. Management Accounting--Certified Management Accountant (CMA),
- C. Internal Auditing--Certified Internal Auditor (CIA), or
- D. Governmental Accounting.

In addition to the required accounting courses, the courses recommended for a student interested in a career in public accounting (CPA) are ACCT 342, 423, 475, 476, 481, and BUS 316. Students planning careers in management accounting (CMA) or internal auditing (CIA) should take, in addition to the required courses, ACCT 421, 481, and relevant computer information systems courses. Students interested in governmental accounting should take, in addition to the required accounting courses, ACCT 342, 475, and 476. **The college accepts only grades of "C" or higher in all courses required for a BBA degree.** These courses include all courses in the business core, all courses specified in the major including major electives, and the following general education courses or their equivalents: ENG 102 & 104; COMM 102; ECON 221; MATH 110; STAT 213; and PSY 101. Descriptions of ACCT courses begin on page 104.

DEGREE: Bachelor of Business Administration (BBA)

MAJOR: Accounting

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

2. General Education Requirements (46-50 hours), see page 30.

3. Business Core Requirements (43 hours), see page 34.

4. Accounting Course Requirements (27 hours)

ACCT	300	Accounting Information Systems (3)
ACCT	301	Intermediate Accounting I (3)
ACCT	302	Intermediate Accounting II (3)
ACCT	311	Cost Accounting (3)
ACCT	371	Income Tax Accounting: Individual (3)
ACCT	401	Advanced Accounting I (3)
ACCT	422	Auditing (3)

6 hours 300 or 400 Level Accounting

Note: If a student chooses to pursue an internship for academic credit, the Internship will be **added** to the requirements for the major. The student must successfully complete the Internship to graduate.

5. Electives (4-9 hours)

MINOR: Accounting

Accounting Course Requirements (19 hours)

ACCT	201	Introductory Accounting I (4)
ACCT	202	Introductory Accounting II (3)
ACCT	300	Accounting Information Systems (3)
ACCT	301	Intermediate Accounting I (3)
ACCT	302	Intermediate Accounting II (3)

3 hours upper-division ACCT electives selected after consultation with accounting advisor.

AGRICULTURAL BUSINESS

The major in Agricultural Business is for those students who wish to pursue a career in those industries which service agriculture, including those which are engaged in the marketing of agricultural products.

The college accepts only grades of "C" or higher in all courses required for a BBA degree. These include all courses in the business core, all courses specified in the major, including major electives, and the following general education courses or their equivalents: ENG 102 & 104; ECON 221; MATH 110; STAT 213; and PSY 101; CHEM 113 & 113L. Descriptions for AG courses begin on page 104.

DEGREE: Bachelor of Business Administration (BBA)

MAJOR: Agricultural Business

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

2. General Education Requirements (50 hours), see page 30.

3. Business Core Requirements (43 hours), see page 34.

4. Agricultural Course Requirements (27-28 hours)

AG	101	Animal Science (3)
AG	203/203L	Field Crops (3)
AG	311	Farm Management and Records (3)
AG	340	Marketing Agricultural Products (3)
AG	352	Agricultural Economics (3)

Any one from:

AG	102	Dairy Science (3)
AG	121	Horse Production and Management (3)
AG	321	Feeding and Nutrition (3)
AG	351	Beef Production (3)

Any one from:

AG	204/204L	Soils (4)
AG	221	Principles of Horticulture (3)
AG	304	Pest Management (3)
AG	331	Forage Crops and Pastures (3)
		Plant Science Topics (3)

300 or 400 Level Agriculture Electives (6 hours)

Note: If a student chooses to pursue an Internship for academic credit, the Internship will be **added** to the requirements for the major. The student must successfully complete the Internship to graduate.

APPLIED ECONOMICS AND FINANCE

This program leads to a Bachelor of Business Administration degree. Courses provide (1) general education for intelligent citizenship with emphasis on the development of modern society; (2) focus on the application of economic and financial theory to problems of the economy; (3) preparation for employment in government and industry; (4) preparation for careers in the Financial Services industry; and (5) preparation for graduate study in economics and related fields.

The college accepts only grades of "C" or higher in all courses required for a BBA degree. These courses include all courses in the business core, all courses specified in the major including major electives, and the following general education courses or their equivalents: ENG 102 & 104; COMM 102; ECON 221; MATH 110; STAT 213; and PSY 101. Descriptions of ECON courses begin on page 118; descriptions of FIN courses begin on page 125.

DEGREE: Bachelor of Business Administration (BBA)

MAJOR: Applied Economics and Finance

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

2. General Education Requirements (46-50 hours), see page 30.

3. Business Core Requirements (43 hours), see page 34.

4. Economics and Finance Course Requirements (24 hours)

ACCT	311	Cost Accounting (3)
BUS	381	Business Research and Analysis (3)
ECON	321	Intermediate Macroeconomic Theory (3)
ECON	409	Global Economics and Finance (3)
FIN	431	Investments: Principles and Policies (3)
FIN	472	Economic/Finance Problems (3)
MATH	215	Calculus for Business (3)
ECON or FIN		Elective (3)

Note: If a student chooses to pursue an internship for academic credit, the Internship will be **added** to the requirements for the major. The student must successfully complete the Internship to graduate.

5. Electives (9-12 hours)**MINOR: Economics****Economics and Finance Course Requirements (15 hours)**

ECON	221	Principles of Macro Economics (3)
ECON	222	Principles of Micro Economics (3)
ECON	321	Intermediate Macroeconomic Theory (3)
ECON	322	Intermediate Microeconomic Theory (3)
ECON	338	Labor Problems (3)

BUSINESS ADMINISTRATION

The major in Business Administration is intended for those seeking breadth of knowledge rather than depth of specialization. Small business owners or generalists will appreciate the flexibility of selecting, with the assistance of their advisors, those courses within the functional disciplines which will best satisfy their needs. There is a restriction that no more than three courses can come from any one discipline.

The college accepts only grades of "C" or higher in all courses required for a BBA degree. These courses include all courses in the business core, all courses specified in the major including major electives, and the following general education courses or their equivalents: ENG 102 & 104; COMM 102; ECON 221; MATH 110; STAT 213; and PSY 101. Descriptions of BUS courses begin on page 110.

DEGREE: Bachelor of Business Administration (BBA)

MAJOR: Business Administration

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV	101	Freshman Seminar (3)
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2. General Education Requirements (46-50 hours), see page 30.**3. Business Core Requirements (43 hours), see page 34.****4. Required Courses in Related Areas (24 hours)**

21 hours of 300 and 400 level classes from the College of Business, no more than 9 hours in any one area.

Note: If a student chooses to pursue an Internship for academic credit, the Internship will be **added** to the requirements for the major. The student must successfully complete the Internship to graduate.

5. Electives (8-12 hours)**MINOR: Business (for non-majors)****Business Course Requirements (32 hours)**

ACCT	201	Introductory Accounting I (4)
ACCT	202	Introductory Accounting II (3)
BUS	151	Introduction to Business (3)
BUS	315	Business Law I (3)
CIS	151	Basic Computer Skills (3), OR
CIS	251	Information Processing Concepts/Applications (3)
ECON	221	Principles of Macro Economics (3)
ECON	222	Principles of Micro Economics (3)

FIN	311	Corporation Finance (3)
MKT	301	Principles of Marketing (3)
STAT	213	Statistical Methods I (4)

NOTE: Each of these courses may require a prerequisite. Check the catalog or your advisor.

MINOR: International Business**International Business Course Requirements (18 hrs.)**

BUS	431	International Business (3)
ECON	409	Global Economics & Finance (3)
MKT	430	International Marketing (3)

A second semester of a foreign language.

6 upper division semester hours of additional courses, after consulting with advisor, taken from Business, Foreign Languages, Anthropology, Geography, History, and Political Science.

NOTE: Each of these courses requires prerequisites.

BUSINESS EDUCATION

The teacher education program in the College of Business offers a BBA degree with two majors for secondary licensure: Business Education and Marketing Education.

Students should consult with their academic advisor to assure that they (1) complete the appropriate academic course work, and (2) have the appropriate type and amount of work hours for certification.

The Bachelor of Business Administration degree with a business education major is a "Two Plus Two" program. In this program the student is expected to complete appropriate competencies (see item 6 below) outside the ENMU College of Business. The COB course offerings are limited to upper division (300 and 400 level) courses.

The following courses are strongly recommended as electives for students pursuing the Business Education or Marketing Education majors:

MGT	425	Training and Development (3)
CIS	331	Data Communications and Networking (3)

The college accepts only grades of "C" or higher in all courses required for a BBA degree. These courses include all courses in the business core, all courses specified in the major including major electives, and the following general education courses or their equivalents: ENG 102 & 104; COMM 102; ECON 221; MATH 110; STAT 213; and PSY 101.

DEGREE: Bachelor of Business Administration (BBA)

MAJOR: Business Education

LICENSURE: Secondary

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV	101	Freshman Seminar (3)
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2. Teaching Degree General Education Requirements (56 hours), see page 42.

Must include:

COMM	102	Public Speaking (3)
ECON	221	Principles of Macro Economics (3)
MATH	110	College Algebra (3)
STAT	213	Statistical Methods I (4)

3. Professional Education Requirements (33 hours), see page 43.

Must include:

HIST	409	Teaching Social Studies (3)
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4. Business Core Requirements (43 hours), see page 34.**5. PLUS The following demonstrated competencies transferred in from another institution. (minimum C grade required):**

Advanced Typing
Administrative Office Procedures (to include filing)
Office Machines (to include machine transcription, fax, calculators, and copy machines)

DEGREE: Bachelor of Business Administration (BBA)
MAJOR: Marketing Education
LICENSURE: Secondary

1. **Bachelor's Degree Requirements, see page 28.**
Includes:
UNIV 101 Freshman Seminar (3)
2. **Teaching Degree General Education Requirements (56 hours), see page 42.**
Must include:
COMM 102 Public Speaking (3)
ECON 221 Principles of Macro Economics (3)
MATH 110 College Algebra (3)
STAT 213 Statistical Methods I (4)
3. **Professional Education Requirements (33 hours), see page 43.**
Must include:
HIST 409 Teaching Social Studies (3)
4. **Business Core Requirements (43 hours), see page 34.**
5. **Marketing Education Major (9 hours)**
MKT 322 Retailing and E-Commerce (3)
MKT 452 Integrated Marketing Communications (3)
MKT 360 Professional Selling (3)

SUBJECT MATTER ENDORSEMENT

AREA/MINOR: Business Education
LICENSURE: Secondary Only

1. **Professional Education Requirements (30 hours) see page 43.**
2. **Required minimum 24 hours, including 12 upper division credits.**
Must include:
ACCT 201 Introductory Accounting I (4)
HIST 409 Teaching Social Studies (3)
BUS 151 Introduction to Business (3)
BUS 315 Business Law I (3)
CIS 151 Basic Computer Skills (3), OR
CIS 251 Information Processing
Concepts/Applications (3)
ECON 221 Principles of Macro Economics (3)
3. **Business Education Endorsement (6)**
CIS 351 Microcomputing for Business (3)
3 hours to be selected in consultation with advisor

SUBJECT MATTER ENDORSEMENT

AREA/MINOR: Marketing Education
LICENSURE: Secondary Only

1. **Professional Education Requirements (30 hours) see page 43.**
2. **Required minimum 24 hours, including 12 upper division credits.**
Must include:
ACCT 201 Introductory Accounting I (4)
HIST 409 Teaching Social Studies (3)
BUS 151 Introduction to Business (3)
BUS 315 Business Law I (3)
CIS 151 Basic Computer Skills (3), OR
CIS 251 Information Processing
Concepts/Applications (3)
ECON 221 Principles of Macro Economics (3)
3. **Marketing Education Endorsement (6)**
MKT 301 Principles of Marketing (3)
3 hours to be selected in consultation with advisor.

COMPUTER INFORMATION SYSTEMS

The discipline offers a major or minor in Computer Information Systems. Study and applications center around the analysis, development, and management of information systems necessary for competing in today's highly automated, computer-oriented business arena. Special emphasis is placed upon curriculum response to rapidly changing hardware technologies and software methodologies.

The Computer Information Systems major offers a common core and allows for a selection of the following areas of concentration 1) Software Applications, 2) Internet Applications, and 3) Networking Applications. The common core aims at a mastery of computer concepts, systems analysis, and an introduction to programming languages. The software application area deals with traditional business programming methodologies and database implementation. The Internet concentration is directed toward the commercial electronic marketplace. The networking concentration studies the interchange of data and information in a secure environment in the business world. All courses are taught using an applied project oriented approach culminating in a capstone course which is built around an applied systems development project. Students are prepared to enter the job market as junior systems analysts and other entry-level positions depending on their concentration.

The college accepts only grades of "C" or higher in all courses required for a BBA degree. These courses include all courses in the business core, all courses specified in the major including major electives, and the following general education courses or their equivalents: ENG 102 & 104; COMM 102; ECON 221; MATH 110; STAT 213; and PSY 101. Descriptions of CIS courses begin on page 115.

DEGREE: Bachelor of Business Administration (BBA)
MAJOR: Computer Information Systems

1. **Bachelor's Degree Requirements, see page 28.**
Includes:
UNIV 101 Freshman Seminar (3)
2. **General Education Requirements (46-50 hours), see page 30.**
3. **Business Core Requirements (43 hours), see page 34.**
4. **Computer Information Systems Course Requirements (27 hours)**
CIS Common Core (18 hours)
CIS 185 Introduction to Computer Information Systems (3)
CIS 300 Object Oriented Programming (3)
CIS 314 Overview of Operating Systems and Utilities (3)
CIS 321 Systems Development (3)
CIS 331 Data Communications and Networking (3)
CIS 343 Database Management Systems (3)

Students must choose one of the following concentrations:

a. Software Application Concentration (9 hours)

- CS 123 Programming Fundamentals (C++) (3)
 CS 134 Intermediate Programming (C++) (3)
 CS 360 Object Oriented Programming with JAVA (3)

b. Internet Applications Concentration (9 hours)

- CIS 330 Business Web Site Design (3)
 CIS 430 Advanced Web Development (3)
 CIS 435 Network Infrastructure Design (3)

c. Networking Applications Concentration (9 hours)

- CIS 435 Network Infrastructure Design (3)
 CIS 440 Network Infrastructure Implementation & Administration (3)
 CIS 300 or 400 Level Elective (3)

Note: If a student chooses to pursue an Internship for academic credit, the Internship will be **added** to the requirements for the major. The student must successfully complete the Internship to graduate.

5. Electives (5-9 hours)

MINOR: Computer Information Systems**Computer Information Systems Course Requirements (15 hours)**

Students must choose one of the following concentrations:

a. Web Oriented Concentration (recommended for Fine Arts and Education Majors)

CIS	185	Introduction to Computer Information Systems (3)
CIS	330	Business Web Site Design (3)
CIS	331	Data Communications and Networking (3)
CIS	343	Database Management Systems (3)
CIS	430	Advanced Web Development (3)

b. Network Oriented Concentration

CIS	185	Introduction to Computer Information Systems (3)
CIS	321	Systems Development (3)
CIS	331	Data Communications and Networking (3)
CIS	435	Network Infrastructure Design (3)
CIS	440	Network Infrastructure Implementation/ Administration (3)

c. Database Oriented Concentration (recommended for accounting and finance majors).

CIS	185	Introduction to Computer Information Systems (3)
CIS	321	Systems Development (3)
CIS	330	Business Web Site Design (3)
CIS	331	Data Communications and Networking (3)
CIS	343	Database Management Systems (3)

Human Resource Management

The Human Resource Management program provides a basis for (1) an understanding of the nature and significance of the management process; (2) knowledge of major principles and concepts of organization and management; and (3) viewing a cross-section of management theory and practice. The curricula of the program integrate the disciplines of physical and behavioral sciences to accomplish their purposes.

The course of study leading to a major in this field affords students a broad background in the management of human, physical, and economic resources to achieve organizational objectives. The curriculum is designed to prepare students for careers in a broad range of private, government, or service-oriented industries.

The college accepts only grades of "C" or higher in all courses required for a BBA degree. These courses include all courses in the business core, all courses specified in the major including major electives, and the following general education courses or their equivalents: ENG 102 & 104; COMM 102; ECON 221; MATH 110; STAT 213; and PSY 101. Descriptions of MGT courses begin on page 131.

DEGREE: Bachelor of Business Administration (BBA)**MAJOR: Human Resource Management****1. Bachelor's Degree Requirements, see page 28.**

Includes:

UNIV	101	Freshman Seminar (3)
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2. General Education Requirements (46-50 hours), see page 30.**3. Business Core Requirements (43 hours), see page 34.****4. Management Course Requirements (24 hours)**

MGT	310	Human Resources Management (3)
MGT	415	Compensation Management (3)
MGT	425	Training and Development (3)
MGT	435	Managing the Diverse Workforce (3)

3 hours of 300 or 400 Level Management Electives

9 hours of 300 or 400 Level College of Business Electives

Note: If a student chooses to pursue an Internship for academic credit, the Internship will be **added** to the requirements for the major. The student must successfully complete the Internship to graduate.

5. Electives (9-12 hours)**MINOR: Human Resource Management****Management Course Requirements (18 hours)**

BUS	151	Introduction to Business (3)
ECON	338	Labor Problems (3)
MGT	310	Human Resources Management (3)
MGT	313	Contemporary Organizational Behavior (3)
MGT	415	Compensation Management (3)
MGT	436	Labor Management Relations (3)

NOTE: Each of these courses requires a prerequisite.

MARKETING

Marketing is an intensive program for students preparing for a career in general marketing, retailing, wholesaling, advertising, selling, and market research.

The college accepts only grades of "C" or higher in all courses required for a BBA degree. These courses include all courses in the business core, all courses specified in the major including major electives, and the following general education courses or their equivalents: ENG 102 & 104; COMM 102; ECON 221; MATH 110; STAT 213; and PSY 101. Descriptions of MKT courses begin on page 133.

DEGREE: Bachelor of Business Administration (BBA)**MAJOR: Marketing****1. Bachelor's Degree Requirements, see page 28.**

Includes:

UNIV	101	Freshman Seminar (3)
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2. General Education Requirements (46-50 hours), see page 30.**3. Business Core Requirements (43 hours), see page 34.****4. Marketing Course Requirements (21 hours)**

BUS	381	Business Research and Analysis (3)
MKT	322	Retailing and E-Commerce (3)
MKT	360	Professional Selling (3)
MKT	419	Consumer Behavior (3)
MKT	425	Marketing Management (3)
MKT	430	International Marketing (3)
MKT	452	Integrated Marketing Communications (3)

Note: If a student chooses to pursue an Internship for academic credit, the Internship will be **added** to the requirements for the major. The student must successfully complete the Internship to graduate.

5. Electives (12-15 hours)**MINOR: Marketing****Marketing Course Requirements (18 hours)**

MKT	301	Principles of Marketing (3)
MKT	452	Integrated Marketing Communications (3)
MKT	419	Consumer Behavior (3)

9 hours upper-division marketing or other business courses after consultation with marketing advisor.

NOTE: Each of these courses requires one or more prerequisites.

COLLEGE OF EDUCATION AND TECHNOLOGY

The College of Education and Technology provides a variety of programs to satisfy the educational needs of New Mexico, the region and the nation. The College prepares individuals to assume a variety of roles in Education, Family and Consumer Sciences, Agriculture, and Health and Physical Education. The College is committed to preparing students who function effectively in a pluralistic society by attempting to develop awareness, understanding, and appreciation for diversity. The curricula of the College prepare students for licensure in teaching as well as for a variety of professional careers.

The College of Education and Technology awards undergraduate degrees other than the Bachelor of Science (BS) and the Bachelor of Arts (BA). These are the Bachelor of Science in Education (BSE), and the Bachelor of Arts in Education (BAE), plus the Associate of Arts (AA) degree. The BSE and BAE are specifically designed for teacher preparation programs and require candidates to fulfill all state and university requirements for teacher licensure and endorsement. BAE candidates must, in addition, fulfill all requirements for the Bachelor of Arts (BA) degree found on page 28.

	Minor	Major	Degree
School of Education			
Bilingual Education	*		
Elementary Education		*	BAE, BSE
English as a Second Language	*		
Language Arts	*		
Reading	*		
Special Education		*	BAE, BSE
Department of Family, Consumer Sciences, and Agriculture			
Agricultural Education		*	BS
Agriculture	*	*	AA
Agriculture (two-year transfer)			
Family and Consumer Sciences	*	*	BS
Emphasis: Business		*	
General Family and Consumer Sciences		*	BS
Human Services		*	BS
Public Communication		*	BS
Vocational Family and Consumer Science Education		*	BS
Fashion Merchandising	*		
Early Childhood Education	*	*	BS
Early Care and Education		*	AA
Pre-Forestry (two-year transfer)			
Department of Health and Physical Education			
Athletic Training	*		
Coaching	*		
Physical Education	*	*	BS

SCHOOL OF EDUCATION

Professors: Julia Rosa Lopez-Emslie
Kenneth Moore
Donna Gee
Marian Matthews
Kathleen Peca
Michael F. Shaughnessy

Associate Professors: Sherrie Bettenhausen
Jerry Everhart
Alan W. Garrett
Mark Isham
Cheri Quinn
Patricia Whitney

Assistant Professors: Mellinee Lesley
Cindy Quintana
Karen Vocke
Jyl Warner

The School of Education seeks, through professional preparation and licensure, to prepare students for careers in public education. The programs offered by the School of Education are predicated on a conceptual framework that aligns Theory and Research for Effective Classrooms (TREC). TREC represents our commitment to a shared journey toward excellence as members of a community of lifelong learners. **The requirements of some programs at ENMU exceed State Department of Education minimum competencies.**

For the purpose of organizing programs in the School of Education, courses are offered in the following areas: Bilingual Education (BLED), Curriculum and Instruction (CI), Education Administration (EDAD), Education Foundations (EDF), Elementary Education (ELED), Reading Education (RED), Secondary Education (SED), and Special Education (SPED). Descriptions of undergraduate courses are in the back of this catalog in alphabetical order; descriptions of the Curriculum and Instruction (CI), Education Administration (EDAD) and other graduate courses may be found in the ENMU *Graduate Catalog*. Undergraduate students who want to enroll in graduate courses must meet requirements as specified on page 21 of this catalog.

STUDENT ADVISEMENT

Each student is responsible for complying with all regulations of the University and the curricular program selected. Because advisement is an important part of student planning, each student is assigned an advisor. The student has the responsibility to confer regularly with the faculty advisor. Additionally, students seeking licensure to teach in New Mexico must be aware of licensure requirements, particularly as State Department of Education requirements for licensure change from time to time. A degree or licensure plan should be prepared in consultation with the faculty advisor as early as possible to help ensure that courses taken may be counted toward graduation and licensure. Students seeking secondary (grades 7-12) licensure are advised by faculty in their majors. Questions regarding licensure should be directed to the student's advisor.

APPEALS PROCEDURE

Students may appeal any decision that affects their status in the Teacher Education Program if there is reason to believe that a decision was unfairly reached or violated a student's rights. To appeal a decision, students must comply with the appeals process, which is described in the Undergraduate Student Handbook available from the Office of Field Experiences.

GRADE REVIEW

Grade review follows a procedure different from appeals. The policy of review of grades is available in the Office of the Dean of the College of Education and Technology.

TEACHER EDUCATION PROGRAMS

ADMISSION TO THE EARLY CHILDHOOD, ELEMENTARY AND SECONDARY TEACHER EDUCATION PROGRAMS

Students apply for admission to the Teacher Education Program during enrollment in EDF 222 Structured Observations of Teaching. Application forms will be distributed and collected during this course. The following are *minimum* criteria that must be met in order to be admitted to these programs:

1. Have completed a minimum of 40 semester hours of General Education (see page 42, "Teaching Degree General Education Requirements") course work.
2. Have earned a GPA of at least 2.80 in all course work taken.
3. Score at or above the established minimum of the basic skills test approved by the School of Education. The School of Education recommends that students take the basic skills test during their freshman year.

Students will be notified of their admission status prior to registration for 300 level education courses. Students who have been denied admission may reapply for a subsequent semester or may be eligible through an alternative route, but admission is not guaranteed.

Admission to the Early Childhood, Elementary or Secondary Teacher Education Program neither admits the student to student teaching nor guarantees successful completion of the program.

ADMISSION TO SPECIAL EDUCATION PROGRAM (K-12)

Students pursuing a major or licensure in special education must apply to the program while enrolled in their first special education course, SPED 300 Introduction to Special Education. In order to be admitted to the Special Education Teacher Education Program and register for Special Education classes beyond SPED 300 Introduction to Special Education, each student must:

1. Apply for admission to the Special Education program.
2. Complete 40 hours of General Education (see page 42, "Teaching Degree General Education Requirements") course work.
3. Have an overall GPA of 2.80 in all course work taken.
4. Score at or above the established minimum on the basic skills test approved by the School of Education prior to registering for SPED 300 Introduction to Special Education. The School of Education recommends that students take the basic skills test during their freshman year.

LICENSURE ONLY STUDENTS

Students who have a college degree from a regionally accredited institution and who desire to be licensed to teach in New Mexico must complete all courses, meet all deadlines, and satisfy all requirements of the program (elementary education, secondary education, or special education) they wish to enter. The School of Education will accept no more than six semester hours of comparable professional education course work completed at another regionally accredited university. Degree holding students who are seeking New Mexico licensure are responsible for consulting with an advisor in the appropriate program in the School of Education before enrolling in courses.

Alternative certification for students with a college degree are available in elementary and secondary education. Interested individuals should visit with an advisor.

TRANSFER STUDENTS

Students transferring to Eastern New Mexico University who wish to be licensed to teach in New Mexico must fulfill the requirements for admission to the Teacher Education Program. The School of Education will accept no more than six semester hours of comparable professional education course work completed at another regionally accredited university. Transfer students are urged to seek advisement for their first enrollment on this campus in order to create a degree plan and be advised of any recent changes in School of Education policy or State Department of Education regulations.

STUDENT TEACHING

PROFESSIONAL SEMESTER OF COURSES

Student teaching is the culminating experience of the Teacher Education Program. Students must enroll in both the seminar and student teaching during their final semester and should reserve this semester for professional courses with no jobs, other courses, or other duties that may interfere with the successful completion of the program.

ADMISSION TO STUDENT TEACHING

An application for student teaching must be approved by the School of Education the fall or spring semester prior to planned enrollment in the professional semester. To facilitate placement of student teachers into appropriate public schools, the University has arranged for accredited school systems in the area to cooperate with the program. With their assistance, the Coordinator of Field Experiences arranges placement of all student teachers in appropriate schools and teaching assignments. Admission to student teaching requires satisfaction of the following criteria:

1. Secondary student teachers complete all requirements for major and minor. Elementary and Special Education student teachers must complete all course requirements for major and endorsements.
2. An application for admission to student teaching must be completed by the student and submitted to the Office of Field Experiences by mid-term of the fall or spring semester preceding the semester of enrollment in student teaching.
3. A minimum of 96 semester hours must be completed **before applying** for admission to the student teaching semester with a minimum cumulative grade point average of 2.80.
4. A 2.80 GPA is required in the major teaching field.
5. A 2.80 GPA is required in each additional teaching field or endorsement area.
6. All credit hours earned in any teaching field in which the applicant is seeking licensure must have a grade of "C" or better.
7. A minimum grade of "C" or higher as specified in degree descriptions must be earned in all professional education and methods courses.
8. The New Mexico School Personnel Act requires that each person who works in a public or private school provide documentation that he or she is free of tuberculosis in a transmissible form. Each applicant for student teaching must submit documentation signed by a licensed physician or healthcare professional from the New Mexico Department of Health, to the Coordinator of Field Experiences.
9. The student must be given clearance by Student Affairs.

CAREER SERVICES AND FOLLOW-UP

The University Career Services office benefits both students and school administrators by establishing student files, making these credentials available as requested, and arranging appointments and interviews for students with prospective employers. During the student teaching semester, the Director of Career Services visits appropriate classes to register all students.

LICENSURE

The information in this catalog IS SUBJECT TO CHANGE as State Department of Education guidelines are interpreted and implemented. Students must pass all appropriate parts of the state approved licensure test battery to become licensed in New Mexico. For more information contact the State Department of Education, Professional Licensure Unit, Education Building, 300 Don Gaspar, Santa Fe, NM 87501-2786, (505) 827-6581.

The State Board of Education requires applicants for teaching license to pass the New Mexico Teacher Assessment in Basic Skills, General Knowledge, and Teacher Competency. The ENMU pass rate on the New Mexico Assessment for 1999-2000 was 83%.

The School of Education requires the following:

- **Students must pass the Basic Skills Test for admission into the Teacher Education Program.**
- **Students must pass the General Knowledge Test and Teacher Competency Test for admission into student teaching.**
- **The faculty strongly recommends that students pass the General Knowledge Test prior to enrolling in 400 level methods courses.**

TEACHING DEGREE GENERAL EDUCATION REQUIREMENTS (55-56 HOURS)

- I. English 12 hours
 ENG 102 or 108 3 hours
 ENG 104 or 109 3 hours
 COMM 101/101L, 102, or 202 3 hours
 *COMM 202 is recommended for ELED majors
 Any ONE from: ENG 201, 211, 221, 222 3 hours
- II. History 12 hours
 HIST 101, 102 3 hours
 HIST 121 or 122 3 hours
 HIST 203 3 hours
 Any ONE from:
 HIST 101, 102, 121, 122, 3 hours
 NOTE: No course may be counted more than once.
- III. Mathematics 6-7 hours
 TWO from: MATH 107, 110, 113,
 *261, **361; STAT 213 6-7 hours
 *MATH 261 is required for ELED and SPED.
 **MATH 361 is required for ELED.
- IV. Government, Economics, or Sociology 6 hours
 Any ONE from: PSCI 101, 102; ECON 221, 222;
 GEOG 233; SOC 101, 212, 215;
 ANTH 123, 233, 243 3 hours
 Any ONE from: *PSY 201, 202 3 hours
 *No more than ONE Psychology course may be counted.
 NOTE: PSY 201 is required for ELED
 PSY 202 is required for SED
 PSY 201 or 202 is required for SPED
- V. Science 12 hours
 NOTE: All three science courses must include a one credit
 hour laboratory to meet licensure requirements.
 Life Science 4 hours
 Physical Science 4 hours
 Life Science or Physical Science 4 hours
- VI. Fine Arts 6 hours
 Any TWO from: ART 101, 106, 165, 166;
 MUS 101, 103 113, 151, 163; MUED 377;
 THTR 111, 121; DNC 101; HUM 221, 222 6 hours
 NOTE: TWO areas must be represented.
 ART 165 or 166 and HUM 221 or 222 are
 recommended, but any courses listed may be used.
- VII. Physical Education 1 hr.
 Activity Elective 1 hr.

DEGREE: Bachelor of Arts in Education (BAE), OR
MAJOR: Bachelor of Science in Education (BSE)
LICENSURE: Elementary Education
 Elementary (K-8)

NOTE: All Elementary Education majors are required to complete a minimum of 6 hours of a second language. SPAN 101 and SPAN 102 are recommended.

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

NOTE: BAE candidates must satisfy language requirement (6-14 hours).

2. Teaching Degree General Education Requirements (55-56 hours), see page 42.

3. Elementary Education Methodology and Professional Education Requirements (36 hours) (Students must complete the following courses in proper sequence as noted in course descriptions and their prerequisites with a "C" or better.)

EDF 222 Structured Observations of Teaching (3)
 BLED 350 Cultural and Linguistic Pluralism (3)
 EDF 301 Foundations of Schooling (3)
 ELED 380 Assessment, Curriculum, and Management (3)

ELED 400 Methods for Integrated Curriculum I (6)

ELED 412 Methods for Integrated Curriculum II (6)

ELED 450 Seminar in Student Teaching (2)

ELED 460 Student Teaching: Elementary (10)

Recommended Electives:

RED 315 Literacy Through Children's Literature (3)

RED 317 Literacy Through Adolescent Literature (3)

HPE 433 Methods and Curriculum in

Physical Education (3)

HPE 473 Health Education Methods/Materials (3)

Prerequisites:

Students must complete SPED 305 as a prerequisite to ELED 400 and ELED 412. RED 360 is a prerequisite to ELED 400. It is strongly recommended that RED 360 be taken concurrently with ELED 380.

4. Subject Matter/Endorsement Area/Minor (24 hours)

The following minors offer course work leading to **endorsement with elementary licensure** in the State of New Mexico.

NOTE: GPA of 2.80 is required.

Bilingual Education, page 45. Language Arts, page 45.

English as a Second Mathematics, page 86.

Language, page 45. Music Education, page 61.

Family & Consumer Physical Education, page 51.

Sciences, page 50. Reading, page 46.

Fine Arts, page 56. Social Studies, page 79, 99.

General Science, page 90. Visual Arts, page 56.

Students may also select a minor in Early Childhood Education (see page 50). Since this is not an approved New Mexico endorsement area students also must select an endorsement area from the above list. In New Mexico, Early Childhood Education is a separate licensure area and requires a major in Early Childhood Education. Students should consult an advisor in that area.

Secondary and K-12 Licensure

Students desiring to teach at the secondary level (grades 7-12) pursue degrees in a major field. The School of Education *does not* grant secondary education degrees. The School of Education *does* provide students with the necessary professional education requirements for licensure at the secondary level in New Mexico. Licensure requirements for Secondary Education are as follows:

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

2. Teaching Degree General Education Requirements (55-56 hours), see page 42.

3. Teaching Field Options (Major/Endorsement/Minor) (54-60 hours)

NOTE: GPA of 2.80 is required in the major.

A. One 54-hour teaching composite (major), **OR**

B. One 36-hour teaching major plus one 24-hour subject matter/endorsement/minor area. See #5 below.

The following majors offer course work leading to secondary licensure:

Biology, page 74.

Mathematics, page 86.

Business Education, page 36.

Music Education, page 60.

Chemistry, page 90.

Physical Education, page 51.

English, page 83.

Physics, page 96.

Family & Consumer

Social Studies, page 79, 99.

Sciences, page 49.

Spanish, page 84.

Geology, page 93.

Theatre Education, page 63.

History, page 79.

Vocational Agri-

Marketing Education, page 37.

culture, page 47.

4. Professional Education Requirements (30 hours)

(Students must complete the following courses in numbered sequence with a "C" or better.)

EDF 222 Structured Observations of Teaching (3)

BLED 350 Cultural and Linguistic Pluralism (3)

EDF 301 Foundations of Schooling (3)

SED 380 Secondary School Teaching/Learning (3)
 Content Methods (3)

SED 410 Issues in Secondary Teaching (3)

SED 450 Seminar in Student Teaching (2)

SED 460 Secondary Student Teaching (10)

The following majors only offer coursework leading to K-12 licensure:

Music Education, page 60.

Physical Education, page 51.

NOTE: Students seeking K-12 licensure may choose ELED 380

OR SED 380, according to preference of level. K-12 majors are not required to take SED 410. Instead they may earn 3

additional methods credits in their content disciplines. SPED 305 is a prerequisite to student teaching; it may be completed

any time prior to student teaching.

5. Subject Matter/Endorsement Area/Minor (24 hours)

The following minors offer course work leading to endorsement with secondary licensure in New Mexico.

NOTE: GPA of 2.80 is required in the minor.

Athletic Training, page 52. Modern Languages, page 84.

Bilingual Education, page 45. Natural Science, page 96.

English, page 83. Physical Education, page 51.

English as a Second Psychology, page 98.

Language, page 45.

Spanish, page 84.

Family & Consumer Special Education, page 44.

Sciences, page 50. Theatre Education, page 63.

Mathematics, page 86. Vocational Agriculture, page 47.

NOTE: The State Department of Education requires that students who seek secondary licensure complete a minimum of 12 hours (300-400) of upper division course work in each area of endorsement.

Dual Secondary and Special Education Licensure

This program is designed for students who want to earn two teaching licenses, one license to teach at the secondary level in a content area and one license to teach special education at any level. Students who desire to teach at the secondary level (grades 7-12) pursue degrees in a major field. The University *does not* grant a major in secondary education, but *does* provide students with the professional education coursework for secondary licensure at the secondary level in New Mexico. Requirements for the dual licensure program are as follows:

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

2. Teaching Degree General Education Requirements (55-56 hours) , see page 42.**3. Teaching Field Options (Major) (36-54 hours).**

NOTE: GPA of 2.80 is required in the major.

A. One 54-hour teaching composite (major), **OR**

B. One 36-hour teaching major from the following:

The following majors offer coursework leading to secondary licensure:

Biology, page 74.	Mathematics, page 86.
Business Education, page 36.	Music Education, page 60.
Chemistry, page 90.	Physical Education, page 51.
English, page 83.	Physics, page 96.
Family & Consumer Science, page 49.	Social Studies, page 79, 99.
Geology, page 93	Spanish, page 84.
History, page 79.	Theatre Education, page 63.
	Vocational Agriculture, page 47.

The following majors offer coursework leading to K-12 licensure:

Music Education, page 60.
Physical Education, page 51.

4. Secondary Licensure Requirements (33 hours).

(Students must complete the following courses in proper sequence as noted in course descriptions with a "C" or better.)

EDF 222	Structured Observations of Teaching (3)
BLED 350	Cultural and Linguistic Pluralism (3)
EDF 301	Foundations of Schooling (3)
SPED 305	Students with Disabilities in the Regular Classroom (3)
SPED 338	Behavior Management: Exceptional Individuals (3)
SED 410	Issues in Secondary Teaching (3)
	Content Methods (3)
SED 450	Seminar in Student Teaching (2)
SED 460	Secondary Student Teaching (10)

5. Special Education Licensure Requirements (30 hours).

SPED 305	Students with Disabilities in the Regular Classroom (3)
SPED 330	Assessment in Special Education (3)
SPED 338	Behavior Management: Exceptional Individuals (3)
SPED 411	Literacy Methods and Materials (3)
SPED 412	Content Methods and Materials (3)
SPED 413	Practicum: Special Education Methods (3)
SED 450	Seminar in Student Teaching (2)
SED 460	Secondary Student Teaching (10)

DEGREE: Bachelor of Arts in Education (BAE), OR
Bachelor of Science in Education (BSE)
MAJOR: Special Education
LICENSURE: Special Education K-12

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

NOTE: BAE candidates must satisfy language requirement (6-14 hours).

2. Teaching Degree General Education Requirements (55-56 hours), see page 42.**3. Special Education Major/Professional Education Course Requirements (30 hours)**

(Students must complete the following with a "C" or better.)

SPED 300	Introduction to Special Education (3) (grade of "B" is required)
SPED 330	Assessment in Special Education (3)
SPED 338	Behavior Management: Exceptional Individuals (3)
SPED 411	Literacy Methods and Materials (3)
SPED 412	Content Methods and Materials (3)
SPED 413	Practicum: Special Education Methods (3)
SPED 445	Student Teaching: Special Education (10)
SPED 447	Seminar in Special Education (2)

NOTE: Course sequence is as follows: SPED 300 is to be completed the first semester. Students who are admitted to the teacher education program then take SPED 330 and 338 the second semester. Students must complete EDF 222 Structured Observations of Teaching as a prerequisite to SPED 330 and 338. SPED 411, 412, 413 are to be taken concurrently the third semester. SPED 445 and SPED 447 are taken concurrently the fourth semester of the sequence.

4. Subject Matter/Endorsement Area/Minor (24 hours)

The following minors offer course work for endorsement with special education licensure in the State of New Mexico.

NOTE: GPA of 2.80 is required in the minor.

Athletic Training, page 52.	Modern Languages, page 61.
Bilingual Education, page 45.	Music Education, page 61.
English as a Second Language, page 45.	Physical Education, page 51.
Psychology, page 99.	Language Arts, page 46.
Mathematics, page 86.	Social Studies, page 80, 99.

Students may also select a minor in Early Childhood Education (see page 39). Since this is not an approved New Mexico endorsement area, students also must select an endorsement area from the above list. In New Mexico, Early Childhood Education is a separate licensure area and requires a major in Early Childhood Education. Students should consult an advisor in that area.

5. Recommended Elective (3 hours)

SPED majors and licensure students are encouraged to take one course from a program designed to prepare general classroom teachers. EDF 301 Foundations of Schooling (3) is recommended to strengthen students' knowledge of general education curriculum and classroom practices. This course introduces students to the conceptual foundations of education. It is hoped this information will expand students' education and understanding of concepts not included in the special education program competencies.

SUBJECT MATTER/ENDORSEMENT**AREA/MINOR:** Bilingual Education**LICENSURE:** Elementary, Secondary or Special Education

- 1. Literacy in Spanish language skills as determined by satisfactory performance on the La Prueba.**

NOTE: 12 hours of course work must be taken in classes taught in Spanish.

- 2. Course Requirements (24 hours)**

BLED	201	Introduction to Bilingual Education (3)
BLED	334	Methods & Materials for Bilingual Education (3)
BLED	405	Reading and the Bilingual Child (3), OR
BLED	425	Parents' Role in the Bilingual Classroom (3)
BLED	438	Language Arts and ESL (3)
SPAN	325	Peninsular Culture and Civilization (3), OR
SPAN	326	Latin American Culture and Civilization (3)
HIST	203	New Mexico (3)

- 3. 6 hours of approved electives.**

NOTE: Elective hours taken under a SPAN prefix must be in the areas of culture, civilization, and/or literature.

- 4. Student Teaching**

Students must complete student teaching in a bilingual setting.

SUBJECT MATTER ENDORSEMENT**AREA/MINOR:** English as a Second Language**LICENSURE:** Elementary, Early Childhood, Secondary, and Special Education

- 1. NOTE: Students will be required to demonstrate intermediate proficiency in a language other than English.**

- 2. Course Requirements (18 hours).**

BLED	201	Introduction to Bilingual Education (3)
BLED	350	Cultural and Linguistic Pluralism (3)
BLED	380	ESL Methods and Materials (3)
BLED	438	Language Arts and ESL (3)
ENG	405	Basic Linguistics (3), OR
ENG	410	English Grammar (3)
ENG	376	Chicano Literature (3), OR
ENG	413	Literature of the Southwest (3)

- 3. Early Childhood/Elementary Education Requirements (6 hours)**

BLED	473	Early Childhood Bilingualism (3)
RED	470	Early Childhood Reading/Writing Development (3)

- 4. Secondary Education Requirements (6 hours).**

BLED	490	ESL in Content Areas (3)
EDF	478	Teaching the Multicultural Heritage of the Southwest (3)

- 5. Special Education Requirements (6 hours).**

To be selected from:

BLED	473	Early Childhood Bilingualism (3)
BLED	490	ESL in Content Areas (3)
EDF	478	Teaching the Multicultural Heritage of the Southwest (3)
RED	470	Early Childhood Reading/Writing Development (3)

SUBJECT MATTER/ENDORSEMENT**AREA/MINOR:** Language Arts**LICENSURE:** Elementary Education

Classes taken in general education cannot be taken for the subject matter/endorsement area/minor.

Required courses selected from the following (12 hours):

3 hours from communication or theatre:

COMM	101	Interpersonal Communication (3)
COMM	102	Public Speaking (3)
COMM	380	Nonverbal Communication (3)
COMM	455	Intercultural Communication (3)
THTR	121	Beginning Acting (3)

6 hours of writing courses from the following:

COMM	203	News Writing (3)
COMM	335	Script Writing for Electronic Media (3)
ENG	235	Advanced Composition (3)
ENG/THTR	324	Workshop in Playwriting (3)
ENG	325	Professional and Technical Writing (3)
ENG	335	Creative Writing (3)
ENG	415	Expository Writing (3)
ENG	416	Report Writing (3)
RED	320	Writing Centered Classrooms (3)

9 hours from literature:

ENG	201	Types of Literature (3)
ENG	211	Introduction to Literature (3)
ENG	221	British Literature Survey I (3)
ENG	222	British Literature Survey II (3)
ENG	311	American Literature Survey I (3)
ENG	312	U.S. Literature Survey II (3)
ENG	376	Chicano Literature (3)
ENG	378	World Literatures (3)
ENG	413	Literature of the Southwest (3)
ENG	426	American Authors/Genres/Themes (3)
ENG	430	British Authors/Genres/Themes (3)
ENG	439	World Authors/Genres/Themes (3)
ENG	447	Literary and Cultural Studies (3)
RED	315	Literacy Through Children's Literature (3)
RED	317	Literacy Through Adolescent Literature (3)

6 hours selected from the following:

ENG	410	English Grammar (3)
RED	360	Reading in the Elementary School (3)
RED/ELED	311	Language Arts (3), OR
RED/BLED	438	Language Arts and ESL (3)
RED	470	Early Childhood Reading/Writing Development (3)
RED	471	Constructive Evaluation of Literacy (3)
RED	495	Teaching of Reading in the Content Area (3)

SUBJECT MATTER/ENDORSEMENT**AREA/MINOR:** Language Arts**LICENSURE:** Special Education Only**Required courses selected from the following (12 hours):****3 hours from:**

COMM	101	Interpersonal Communication (3)
COMM	102	Public Speaking (3)
COMM	202	Dynamics of Group Behavior (3)

3 hours from:

ENG	104	English Composition and Research (3)
ENG	109	Composition and Research (Honors) (3)

6 hours from:

ENG	201A	Types of Literature (Short Story) (3)
ENG	211	Introduction to Literature (3)
ENG	221	British Literature Survey I (3)
ENG	222	British Literature Survey II (3)
ENG	311	U.S. Literature Survey I (3)
ENG	312	U.S. Literature Survey II (3)

Additional courses selected from the following (12 hours):

ELED/RED	311	Language Arts (3)
ENG	410	English Grammar (3) (Recommended for upper grades)
RED	360	Reading in the Elementary School (3)
RED	315	Literacy Through Children's Literature (3)
RED	317	Literacy Through Adolescent Literature (3)
RED	470	Early Childhood Reading/Writing Development (3)
RED	495	Teaching of Reading in the Content Area (3)

AREA MINOR: Reading**1. Required courses (12 hours)**

RED	360	Reading in the Elementary School (3)
RED	315	Literacy Through Children's Literature (3)
RED	470	Early Childhood Reading/Writing Development (3)
RED	471	Constructive Evaluation of Literacy (3)

2. Electives (12 hours)

Choose any 300 or 400 level reading education (RED) course.

DEPARTMENT OF FAMILY AND CONSUMER SCIENCES AND AGRICULTURE

The Department of Family, Consumer Sciences and Agriculture offers programs designed to prepare students for careers in the essential areas relating to families and agriculture. The Bachelor of Science degree is offered in both Family and Consumer Sciences and Early Childhood Education. The Associate of Arts degree is offered in Day Care Management. Agriculture students may complete an Associate of Arts degree in Agriculture, requirements for subject matter endorsement in Vocational Agriculture with secondary teaching licensure, a minor in Agriculture, or a two year Pre-Forestry transfer program. A Bachelor of Business Administration in Agricultural Business is offered through the College of Business.

AGRICULTURE

Assistant Professors: Dann Brown
Rudy Tarpley

The Agriculture discipline prepares students in the basic agricultural and foundation sciences, in agriculture business, agricultural sciences, agricultural education, agronomy, animal science, range management, and horticulture. Laboratories provide experience in social science, plant classification, plant physiology, plant pathology, weed science, and entomology. Students are involved in FFA judging contests and are invited to participate on the rodeo team.

The Agriculture discipline offers interested students several options: (a) an Associate of Arts degree in Agriculture, (b) secondary licensure with subject matter endorsement in Vocational Agriculture, (c) a two-year program in pre-forestry in preparation for transfer to a four-year forestry program; and (d) a minor in Agriculture.

The Associate of Arts degree prepares students in the basic agricultural and foundation sciences to meet the requirements of four year agricultural schools, where they may pursue any one of a variety of majors, such as agricultural economics, agronomy, animal science, range management, horticulture, or general agriculture.

The University has approved a teaching endorsement program in Vocational Agriculture.

The two year pre-forestry program prepares students for transfer to a university offering a degree in forestry. Students should be familiar with the requirements of the university to which they intend to transfer. Descriptions of AG courses begin on page 104.

DEGREE: Bachelor of Science (BS)
MAJOR: Agricultural Education Composite
ENDORSEMENT: Vocational Agriculture
LICENSURE: Secondary

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

2. Teaching Degree General Education Requirements (55-56 hours), see page 42.

The general education requirements must include:

BIOL 151/151L General Biology I (4)

PSY 202 Adolescent Psychology (3)

3. Professional Education Requirements (30 hours), see page 43.

4. Vocational Agricultural Course Requirements (49-50 hours) Agricultural Education Requirements (12 hours)

AG 105 Intro to Agricultural Education (3)

AG 253 Computers in Agriculture (3)

AG 394 Professional Leadership Development (3)

AG 479 Methods in Agricultural Education (3)

Animal Science Requirements (9 hours)

AG 101 Animal Science (3)

Any two from:

AG 102, 121, 321, 351 (Dairy Science, Horse Management, Feeding and Nutrition, Beef Production, Any Animal Science Topics Course)

Plant Science Requirements (9-10 hours)

Any three from:

AG 203/203L, 204/204L, 221, 304, 331 (Field Crops, Soils, Horticulture, Pest Management, Forage Crops, Any Plant Science Topic Course)

Agricultural Mechanics Requirements (9 hours)

AG 231 Agricultural Mechanics (3)

AG 301 Rural Buildings & Materials (3)

AG 303 Agricultural Power & Machinery (3)

Agricultural Economics & Business Requirements (9 hours)

AG 311 Farm Management and Records (3)

AG 340 Marketing Agricultural Products (3)

AG 352 Agricultural Economics (3)

5. Required Courses in a Related Area (7 hours)

ONE course (4 hours) from:

BIOL 301/301L, 341/341L (General Entomology, Parasitology)

DEGREE: Associate of Arts (AA)

MAJOR: Agriculture

This curriculum is designed to prepare students in the basic agricultural and foundation sciences for entry level positions in agriculture or for transfer to a four-year program

1. Associate of Arts Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

2. General Education Requirements (27 hours.)

ENG 102 English Composition (3)

ENG 104 English Composition & Research (3)

COMM 101/101L Interpersonal Communication (3), **OR**

COMM 102 Public Speaking (3)

MATH 107 Intermediate Algebra (3), **OR**

MATH 110 College Algebra (3)

BIOL (4)

CHEM (4)

ECON 221 Principles of Macro Economics (3)

HIST 101 Survey of American History to

1877 (3), **OR**

HIST 102 Survey of American History

Since 1877 (3), **OR**

HIST 121 Survey of Western Civilization (3), **OR**

HIST 122 Survey of Western Civilization (3)

HPE Activity (1)

3. Agriculture Course Requirements (25 hours)

AG 101 Animal Science (3)

AG 102 Dairy Science (3)

AG 121 Horse Production & Management (3)

AG 203/203L Field Crops (3)

AG 204/204L Soils (4)

AG 221 Principles of Horticulture (3)

AG 231 Agriculture Mechanics (3)

AG 253 Computers in Agriculture (3)

4. Electives (9 hours) to be selected with approval of Agriculture Advisor.

MINOR: Agriculture**1. Agriculture Course Requirements (18 hrs.)**

AG	101	Animal Science (3)
AG	203/203L	Field Crops (3)
AG	204/204L	Soils (4)
AG	304	Pest Management (3)
AG	331	Forage Crops and Pastures (3)

2. 8 hours of courses in agriculture are to be selected in consultation with the Agriculture faculty; 3 hours must be upper division. It is possible that 3 hours upper division credit could be taken in Biology related to plant or animal sciences.**Two Year Program in Pre-Forestry****1. Courses which are required by most forestry schools and may be taken at ENMU.**

AG	101	Animal Science (3)
8 hrs. BIOL excluding BIOL 113		
CHEM	151/151L	General Chemistry I (4)
CHEM	152/152L	General Chemistry II (4)
ENG	102	English Composition (3)
ENG	104	English Composition and Research (3)
MATH	110	College Algebra (3)
MATH	111	Plane Trigonometry (3)

2. Additional courses recommended for pre-forestry students:

AG	204/204L	Soils (4)
AG	340	Marketing Agricultural Products (3)
AG	352	Agricultural Economics (3)
BIOL	231	Genetics (3)
ECON	221	Principles of Macro Economics (3)
GEOL	151/151L	Physical Geology (4)
PHYS	151/151L	General Physics (4)
PHYS	152/152L	General Physics (4)

FAMILY AND CONSUMER SCIENCES

Professor:	Francine Stuckey
Associate Professor:	Merlene Olmsted
Assistant Professor:	Caryl Johnson

The mission of Family and Consumer Sciences is to holistically assist families and individuals in achieving the optimal quality of life. The department takes pride in its leadership as being a dynamic source and voice for families in the state of New Mexico. The discipline is preventive in approach. The curriculum is applicable to both men and women. Its purpose is three-fold: (1) to provide professional education in family and consumer sciences for teaching, extension, business, public communication, and human service; (2) to provide basic education for homemakers and parents; for work with children in a variety of settings; for research; and (3) to provide cultural development.

The curriculum includes studies related to improving individual, family and community well-being; impacting the development, delivery and evaluation of consumer goods and services; influencing the creation of policy; shaping societal change, foods and nutritional needs, clothing issues, and the welfare of children. Each aspect of the discipline is a critical component in assisting individuals and families to reach their potential. The Department of Family and Consumer Sciences accepts only grades of "C" or higher in courses required for the major and emphasis areas. Descriptions of FCS courses begin on page 123.

FAMILY AND CONSUMER SCIENCES CORE CURRICULUM (36 HOURS)

FCS	101	Orientation and Careers (1)
FCS	131	Consumer Education (3)
FCS	213/213L	Food Science (3)
FCS	221	Child Development (3)
FCS	253/253L	Housing (3)
FCS	301/301L	Textiles (3)
FCS	323	Techniques for Effective Parenting (3)
FCS	331	Human Nutrition (3)
FCS	333	Family Relationships (3)
FCS	353/353L	Interior Design (3)
FCS	401	Family and Consumer Sciences Seminar (1)
FCS	403	Sociological & Psychological Aspects of Dress (3)
FCS	411	Demonstration Techniques Laboratory (1)
FCS	461	Family Resource Management (3)

DEGREE: Bachelor of Science (BS)**MAJOR: Family and Consumer Sciences Composite****EMPHASIS: General Family and Consumer Sciences****1. Bachelor's Degree Requirements, see page 28.**

Includes:

UNIV	101	Freshman Seminar (3)
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2. General Education Requirements (46-50 hours), see page 30.**3. Family and Consumer Sciences Course Requirements (51 hours)**

- Core curriculum in Family and Consumer Sciences (36 hours), see above.
- Electives in Family and Consumer Sciences (15 hours).

4. Electives to complete 128 hours, approximately 20-24 hours.**DEGREE: Bachelor of Science (BS)****MAJOR: Family and Consumer Sciences Composite****EMPHASIS: Business****1. Bachelor's Degree Requirements, see page 28.**

Includes:

UNIV	101	Freshman Seminar (3)
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2. General Education Requirements (46-50 hours), see page 30.**3. Family and Consumer Sciences Course Requirements (54 hours)**

- Core curriculum in Family and Consumer Sciences (36 hours), see above, plus

FCS	103/103L	Clothing Selection and Construction, (3), OR
FCS	303	Household Equipment (3), OR
FCS	347	Fashion Merchandising (3)
- Electives in Family and Consumer Sciences (15 hours)

Recommended:

FCS	435	Home Based Entrepreneurship (3)
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4. Business Course Requirements (24 hours)

9 hours from the following:

ECON	221	Principles of Macro Economics (3)
ECON	222	Principles of Micro Economics (3)
ACCT	201	Introductory Accounting I (4)
ACCT	202	Introductory Accounting II (3)
CIS	151	Basic Computer Skills (3)

15 hours from the following:

BUS	315	Business Law I (3)
MKT	301	Principles of Marketing (3)
MKT	322	Retailing and E-Commerce (3)

DEGREE: Bachelor of Science (BS)
MAJOR: Family and Consumer Sciences Composite
EMPHASIS: Public Communication

1. **Bachelor's Degree Requirements, see page 28.**
Includes:
UNIV 101 Freshman Seminar (3)
2. **General Education Requirements (46-50 hours), see page 30.**
3. **Family and Consumer Sciences Course Requirements (39 hours)**
Core Curriculum in Family and Consumer Sciences (36 hours), see above, plus
FCS 303 Household Equipment (3)
4. **Communication Course Requirements (24 hours)**
COMM 101/101L Interpersonal Communication (3)
COMM 102 Public Speaking (3)
COMM 201 Introduction to Mass Communication (3)
COMM 203/203L News Writing (3)
12 hours selected from the following:
COMM 110/110L Beginning Television Production (3)
COMM 202 Dynamics of Group Behavior (3)
COMM 223 Voice and Performance (3)
COMM 355 Techniques of Job Interviewing (3)
COMM 414 Mass Media Law (3)
5. **Required Courses in Related Areas (12 hours)**
6 hours from the following:
ART 210 Photography I (3)
BUS 151 Introduction to Business (3)
BUS 315 Business Law I (3)
ECON 221 Principles of Macro Economics (3)
ECON 222 Principles of Micro Economics (3)
MKT 301 Principles of Marketing (3)
6. **Electives to complete 128 hours, approximately 1-4 hours.**

DEGREE: Bachelor of Science (BS)
MAJOR: Family and Consumer Sciences Composite
EMPHASIS: Human Services

1. **Bachelor's Degree Requirements, see page 28.**
Includes:
UNIV 101 Freshman Seminar (3)
2. **General Education Requirements (46-50 hours), see page 30.**
3. **Family and Consumer Sciences Course Requirements (39 hours)**
Core Curriculum in Family and Consumer Sciences for Human Services.
FCS 101 Orientation and Careers (1)
FCS 112 Introduction to Nutrition (3), **OR**
FCS 332/332L Meal Management (3)
FCS 131 Consumer Education (3)
FCS 213/213L Food Science (3)
FCS 221 Child Development (3)
FCS 253/253L Housing (3)
FCS 323 Techniques for Effective Parenting (3)
FCS 331 Human Nutrition (3)
FCS 333 Family Relationships (3)
FCS 401 Family and Consumer Sciences Seminar (1)
FCS 403 Sociological & Psychological Aspects of Dress (3)
FCS 411 Demonstration Techniques Laboratory (1)
FCS 433 Family Finance (3)
FCS 461 Family Resource Management (3)
FCS 489 Field Placement (3-6)
4. **15 hours of Sociology courses and 15 hours of Psychology courses to be selected in consultation and with the approval of the Family and Consumer Sciences faculty advisor.**
5. **Electives to complete 128 hours, approximately 7-10 hours.**

MINOR: Family and Consumer Sciences

Family and Consumer Sciences Course Requirements (24 hours)

FCS 101 Orientation and Careers (1)

The remaining 23 hours of courses in Family and Consumer Sciences are to be selected in consultation with Family and Consumer Sciences faculty; 9 hours must be upper division.

MINOR: Fashion Merchandising (21-24 hours)

FCS 103/103L Clothing Selection and Construction (3)

FCS 301/301L Textiles (3)

FCS 345/345L Pattern Design (3)

FCS 347 Fashion Merchandising (3)

FCS 489 Field Placement (3-6)

FCS 403 Sociological & Psychological Aspects of Dress (3), **OR**
THTR 340 Design Seminar (6)

DEGREE: Bachelor of Science (BS)

MAJOR: Family and Consumer Sciences Composite

EMPHASIS: Vocational Family and Consumer Sciences

LICENSURE: Secondary

1. **Bachelor's Degree Requirements, see page 28.**
2. **Teaching Degree General Education Requirements (55-56 hours), see page 42.**
3. **Professional Education Requirements (33 hours), see page 43.**
Must include:
FCS 479 Methods of Teaching FCS (3)
4. **Family and Consumer Sciences Course Requirements (48 hours)**
 - a. Core curriculum in Family and Consumer Sciences for Vocational Family and Consumer Sciences (42 hours).
FCS 101 Orientation and Careers (1)
FCS 103/103L Clothing Selection and Construction (3)
FCS 131 Consumer Education (3)
FCS 213/213L Food Science (3)
FCS 221 Child Development (3)
FCS 253/253L Housing (3)
FCS 301/301L Textiles (3)
FCS 323 Techniques for Effective Parenting (3)
FCS 331 Human Nutrition (3)
FCS 333 Family Relationships (3)
FCS 343/343L Creative Experiences with Young Children (3)
FCS 353/353L Interior Design (3)
FCS 401 Family and Consumer Sciences Seminar (1)
FCS 403 Sociological & Psychological Aspects of Dress (3)
FCS 411 Demonstration Techniques Laboratory (1)
FCS 461 Family Resource Management (3)
 - b. Electives in Family and Consumer Sciences (6 hours)
5. **Required Course in a Related Area (3 hours).**
SOC/PSY 324 Social Psychology (3)

DEGREE: Bachelor of Science (BS)

MAJOR: Early Childhood Education

LICENSURE: Early Childhood Education

1. **Bachelor's Degree Requirements, see page 28.**
Includes:
UNIV 101 Freshman Seminar (3)
2. **Teaching Degree General Education Requirements (55-56 hours), see page 42.**
3. **Professional Education in Early Childhood Education (41 hours).**
FCS/ELED 221 Child Development (3)
FCS/ELED 280 Parent Involvement (3)
FCS/ELED 343 Creative Experiences with Young Children (2)

FCS/ELED	363	Early Childhood Learning Environment (3)
FCS/ELED	465	Child Guidance (3)
FCS/ELED	482	Methods of Early Childhood Education (4)
RED	470	Early Childhood Reading/Writing Development (3)
SPED	305	Students with Disabilities in the Regular Classroom (3)
BLED/ FCS/ELED	473	Early Childhood Bilingualism (3)
BLED	350	Cultural and Linguistic Pluralism (3)
ELED	380	Assessment, Curriculum and Management (3)
ELED	400	Methods for Integrated Curriculum I (6)
ELED	450	Seminar in Student Teaching (2)

4. Practicum and Supervised Field Experiences (22 hours).

Experiences must include two of the following age ranges: Birth-3, 3-5, 5-8.

EDF	222	Structured Observations of Teaching (3)
FCS	343L	Creative Experiences Laboratory (1)
FCS	465L	Child Guidance Laboratory (1)
FCS	484	Practicum in Early Childhood Education (6)
ELED	460	Student Teaching: Elementary (10)
Choice of one from:		
FCS	121	Observation of Infants (1), OR
FCS	122	Observation of Pre-School Children (1), OR
FCS	123	Observation of School Age Children (1)

5. Electives (7-10 hours).**SUBJECT MATTER ENDORSEMENT**

AREA/MINOR: Family and Consumer Sciences Composite
LICENSURE: Elementary (K-8) or Secondary

Family and Consumer Sciences Course Requirements (24 hours)

FCS	103/103L	Clothing Selection and Construction (3)
FCS	131	Consumer Education (3)
FCS	213/213L	Food Science (3), OR
FCS	331	Human Nutrition (3)
FCS	221	Child Development (3)
FCS	333	Family Relationships (3), OR
FCS	323	Techniques for Effective Parenting (3)
FCS	353/353L	Interior Design (3)
FCS	479	Methods of Teaching FCS (3)

3 hours upper division FCS electives with approval of FCS faculty

MINOR: Early Childhood Education**Early Childhood Course Requirements (24 hours)**

FCS/ELED	221	Child Development (3)
FCS/ELED	343/343L	Creative Experiences with Young Children (3)
FCS/ELED	465/465L	Child Guidance (4)
FCS/ELED	482	Methods of Early Childhood Education (4)
FCS/ELED	484	Practicum in Early Childhood Education (6)

4 hours of early childhood education electives approved by advisor.

DEGREE: Associate of Arts (AA)
MAJOR: Early Care and Education

The curriculum is designed to prepare individuals to work with children in a variety of settings, especially in day care.

1. Associate of Arts Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

2. General Education Requirements (35 hours)

COMM 101/101L Interpersonal Communication (3), **OR**

COMM 102 Public Speaking (3)

ENG 102 English Composition (3)

ENG 104 English Composition and Research (3)

8 hours natural science courses with labs

Math selected from 107, 110, 113, 261 (3)

PSY 201 Child Psychology (3)

Social Science selected from: (3)

PSCI 101, 102; ECON 221; GEOG 233;

SOC 101, 212, 215; ANTH 123, 233, 243

History selected from: (3)

HIST 101, 102, 121, 122

Fine Arts selected from: (6)

ART 101, 106, 165, 166; MUS 101, 103, 113, 151, 163;

THTR 111, 121; DNC 101; HUM 211, 222

3. Family and Consumer Sciences and Related Course Requirements (27 hours)

FCS 112 Introduction to Nutrition (3)

FCS 121 Observation of Infants (1)

FCS 122 Observation of Pre-School Children (1)

FCS 123 Observation of School Age Children (1)

FCS 221 Child Development (3)

FCS 243 Direction of Early Childhood Programs (3)

FCS 280 Parent Involvement (3)

FCS 343/343L Creative Experiences with Young Children (3)

FCS 363 Early Childhood Learning Environment (3)

ACCT 201 Introductory Accounting I (4)

HPE 220 First Aid (2)

DEPARTMENT OF HEALTH AND PHYSICAL EDUCATION

Assistant Professors:	Jeff Arthur Mary E. Drabbs Cheryl Higdon Holloway
Instructors:	Christine Blaeser Eric Boll Dan Buzard Phil Clabaugh Doug Davalos Harold "Bud" Elliott Ed Finan Michael Howard Mike Maguire Wayne Moore Inosia Poyer Mark Ribaud James Rodriguez Kathleen Rodriguez Shawn Scanlon

Programs in the Department of Health and Physical Education are designed primarily to prepare students as educators in health and physical education within public schools and the private sector. The following areas in professional preparation are offered:

1. Physical Education: Licensure K-12
2. Physical Education: Community Physical Education
3. Physical Education Endorsement Area/Minor: Elementary, Secondary or Special Education licensure
4. Athletic Training Endorsement Area/Minor: Elementary, Secondary or Special Education licensure
5. Coaching Endorsement Area/Minor: Secondary licensure

Descriptions of HPE courses begin on page 128.

A Master of Science Degree in Physical Education is also offered. For additional information regarding the Master of Science degree in Physical Education, refer to the ENMU *Graduate Catalog*.

DEGREE:	Bachelor of Science (BS)
MAJOR:	Physical Education
LICENSURE:	K-12

1. **Bachelor's Degree Requirements, see page 28.**
Includes:
UNIV 101 Freshman Seminar (3)
2. **Teaching Degree General Education Requirements (55-56 hours), see page 42.**
NOTE: The general education requirements must include prerequisites for HPE 312, HPE 313, and HPE 411.
The general education requirements must include a 4-credit human anatomy and physiology course with lab. Please consult with an advisor before enrolling in the course.
3. **Professional Education Requirements (30 hours), see page 43.**
4. **Physical Education Course Requirements (36 hours)**
Theory Courses (28 hours)

HPE	145	Concepts in Physical Education (3)
HPE	220	First Aid (2)
HPE	312	Kinesiology (3)
HPE	313	Physiology of Exercise (3)
HPE	411	Motor Learning (3)
HPE	423	Methods and Curriculum of Adapted Physical Education (3)
HPE	433	Methods/Curriculum in Physical Education (3)

HPE 490 Professional Review (2)
6 credits from the following:
HPE 121, 240, 310, 321, 330, 335, 340, 345, 381, 473, 480;
other electives as approved by advisor.

Strategy courses (8 hours)

5. **Subject Matter Endorsement Area: (Minor 24-27 hours) or Dual Major. (Hour requirements for each minor or second major will vary according to catalog and discipline.)**

DEGREE:	Bachelor of Science (BS)
MAJOR:	Community Physical Education

1. **Bachelor's Degree Requirements, see page 28.**
Includes:
UNIV 101 Freshman Seminar (3)
2. **General Education Requirements (46-50 hours), see page 30.**
NOTE: The general education requirements must include prerequisites for HPE 312 and HPE 313.
The general education requirements must include a 4-credit human anatomy and physiology course with lab. Please consult with an advisor before enrolling in the course.
3. **Physical Education Course Requirements (39 hours)**
Theory Courses (31 hours)

HPE	108	Fitness for Living (3), OR
HPE	121	Concepts of Health/Wellness (3)
HPE	145	Concepts in Physical Education (3)
HPE	220	First Aid (2)
HPE	340	Recreation and Intramural Programming (3)
HPE	312	Kinesiology (3)
HPE	313	Physiology of Exercise (3)
HPE	423	Methods and Curriculum of Adapted Physical Education (3)
HPE	490	Professional Review (2)

Three courses (9 hours) from the following:
HPE 240, 310, 321, 330, 335, 345, 381, 411, 473, 480, 489;
other electives as approved by advisor.
4. **Electives (36-40 hours)**
NOTE: 24 hours minimum endorsement or dual major. Hours requirements for each major will vary according to catalog and discipline.

SUBJECT MATTER ENDORSEMENT AREA/MINOR:	Physical Education
LICENSURE:	Elementary, Secondary or Special Education

NOTE: General Education Requirements must include prerequisites for HPE 312, HPE 313 and HPE 411.

The general education requirements must include a 4-credit human anatomy and physiology course with lab. Please consult with an advisor before enrolling in the course.

Physical Education Course Requirements (24 hours)

HPE	108	Fitness for Living (3), OR
HPE	121	Concepts of Health/Wellness (3)
HPE	220	First Aid (2)
HPE	312	Kinesiology (3)
HPE	313	Physiology of Exercise (3)
HPE	411	Motor Learning (3)
HPE	423	Methods and Curriculum of Adapted Physical Education (3)
HPE	433	Methods/Curriculum in Physical Education (3)

Strategy Courses (4 hours)

SUBJECT MATTER ENDORSEMENT**AREA/MINOR:** Athletic Training**LICENSURE:** Elementary, Secondary or Special Education**NOTE: General Education Requirements must include prerequisites for HPE 312 and HPE 313:**

The general education requirements must include a 4-credit human anatomy and physiology course with lab. Please consult with an advisor before enrolling in the course.

Athletic Training Course Requirements (27 hours)

FCS	112	Introduction to Nutrition (3)
HPE	300	Basic Care/Prevention: Athletic Injuries (3)
HPE	308	Therapeutic Modalities (3)
HPE	309	Therapeutic Exercise (3)
HPE	312	Kinesiology (3)
HPE	313	Physiology of Exercise (3)
HPE	348	Evaluation of Athletic Injuries/Illnesses (3)
HPE	389	Internship in Athletic Training (3)
HPE	480	Administration in Physical Education and Athletics (3)

SUBJECT MATTER ENDORSEMENT**AREA/MINOR:** Coaching**LICENSURE:** Secondary Education**NOTE: General Education Requirements must include prerequisites for HPE 411.**

The general education requirements must include a 4-credit human anatomy and physiology course with lab. Please consult with an advisor before enrolling in the course.

Coaching Course Requirements (24 hours)

HPE	245	Theory of Coaching (3)
HPE	300	Basic Care/Prevention: Athletic Injuries (3)
HPE	310	Facilities Development (3)
HPE	335	Measurement/Evaluation of Human Movement (3)
HPE	381	Officiating of Sports (3)
HPE	411	Motor Learning (3)

6 credits from the following:

HPE	331	Coaching of Football (3)
HPE	333	Coaching of Basketball (3)
HPE	337	Coaching of Tennis (3)
HPE	341	Coaching of Volleyball (3)
HPE	342	Coaching of Track and Field (3)
HPE	382	Coaching of Softball/Baseball (3)

SAMPLE PROGRAM OF STUDY IN PHYSICAL EDUCATION

Below is a suggested sequence of courses for the major listed. *This is not an official degree plan.* For specific information, see advisor.

Freshman Year				
Courses			Credit Fall	Hours Spring
HPE	145	Concepts in Physical Education	3	0
HPE	121	Concepts of Health/Wellness	0	3
		General Education (including PE activity classes)	12	13
			15	15

Sophomore Year				Credit	Hours
Courses				Fall	Spring
HPE	220	First Aid		2	0
EDF	222	Structured Observations of Teaching ...		0	3
BLED	350	Culatural and Linguistic Pluralism		0	3
BIOL	209/				
	209L	Human Anatomy and Physiology I		4	0
BIOL	210/				
	210L	Human Anatomy and Physiology II		0	4
		Strategy Courses		2	2
		General Education		9	6
				17	18

Junior Year			Credit	Hours
Courses			Fall	Spring
EDF	301	Foundations of Schooling	3	0
HPE	312	Kinesiology	0	3
HPE	313	Physiology of Exercise	3	0
HPE	433	Methods/Curriculum in PE	0	3
SED	380	Secondary School Teaching/Learning ..	0	3
		Strategy Course	2	2
		General Education	6	0
		Minor	3	6
			17	17

Senior Year			Credit	Hours
Courses			Fall	Spring
HPE	411	Motor Learning	3	0
		Three (3) hours Upper Division HPE courses	3	0
HPE	423	Methods and Curr of Adapted PE	3	0
HPE	490	Professional Review	2	0
SED	450	Seminar in Student Teaching	0	2
SED	460	Secondary Student Teaching	0	10
		Minor	6	0
			17	12

THE COLLEGE OF FINE ARTS

The College of Fine Arts is committed to serve students, the University, community, and region through a broad range of artistic and cultural opportunities. These reflect both the diversity and heritage of the arts.

Numerous concerts, recitals, stage productions, and art exhibitions are presented throughout the year. A variety of classes, music ensembles, and drama productions are available to all people from the University or community. These opportunities are available both during the daytime and evening hours.

Degree programs provide backgrounds in the fine arts and career-oriented professional training. Curricula are continually evaluated and revised to reflect the best in contemporary educational thought and changing career opportunities.

In addition to the Bachelor of Science (BS) and Bachelor of Arts (BA), the College of Fine Arts awards the Bachelor of Fine Arts (BFA), the Bachelor of Music (BM), and the Bachelor of Music Education (BME). The BME qualifies students in either vocal or instrumental music (grades K-12).

	Minor	Major	Degree
Fine Arts	*		
Department of Art			
Art	*	*	AA, BFA,BA,BS
Emphasis: Interdisciplinary Arts		*	BFA, BA, BS
Graphic Design	*		
Visual Arts	*		
Art/Computer Graphics/Animation	*		
School of Music			
Music	*	*	BS
Emphasis: Music with Elective Studies in Business		*	BS
Piano Performance		*	BM
Instrumental Performance		*	BM
Vocal Performance		*	BM
Music Theatre		*	BM
Music Education		*	BME
Emphasis: Choral		*	BME
Instrumental		*	BME
Piano	*		
Music Technology	*		
Department of Theatre/Dance			
Theatre	*	*	BFA
Emphasis: Theatre Performance		*	BFA
Technical Theatre/Design		*	BFA
University Theatre Studies		*	BFA
Theatre Education	*	*	BFA
Dance Studies	*	*	BFA

DEPARTMENT OF ART

Professors:	Gregory Erf Mic Muhlbauer
Associate Professors:	James Bryant Mary Finneran Phil Geraci Galina McGuire Gregory Senn

The Department of Art has created programs with teaching strategies aimed towards developing students into professionals. The curriculum stresses learning and thinking skills leading to personal and educational growth with the belief art and design are guided as much by the mind as by the hand. The Art programs are rigorous and disciplined with high artistic and professional standards.

Major programs in art leading to BA, BS, and BFA degrees include: (1) **Emphasis in Graphic Design**, which stresses advertising art, package design, publication design, computer graphics and animation, illustration, and marketing; (2) **Emphasis in Interdisciplinary Art** which stresses knowledge in both two-dimensional and three-dimensional materials in pursuit of personal expression. The interdisciplinary art program is based on the belief that the fine artist must cross disciplines to understand many techniques and concepts to be successful in today's competitive art world.

Two Year Foundation Program

The foundation program offers an interdisciplinary approach to the visual arts. This two year long foundation experience is designed to introduce students to techniques, methods, and concepts common to the creative disciplines. It aims to develop visual literacy as well as to encourage growth in artistic perception.

Through this introduction to a variety of ideas and techniques, with materials in design, drawing, computers and photography, students appreciate the complexity of the creative process and learn to articulate their personal aesthetic. They investigate the differences between wet and dry media, additive and subtractive processes, two- and three- dimensional forms, and the relationship between ideas and materials. Formal concerns, such as line, shape, color, value, texture, scale, and composition are explored. All courses with the exception of Art History I and II, Drawing and Human Figure are team taught by two or more instructors.

Interdisciplinary Art Program

The Interdisciplinary Art program encourages the student to continue working in all two- and three- dimensional media in pursuit of personal expression. The student will explore interdisciplinary approaches to his/her art by incorporating many of the various media available within the program. Facilities are available for ceramics, computer art and animation, drawing, jewelry, painting, performance art, photography, sculpture, and printmaking.

The object of this program is to expose art students to a variety of disciplines within the department to expand their visual ideas. This program also addresses various aspects to the profession of art outside the studio, such as: marketing strategies, grant writing, museum and gallery management, public art, ethical issues, portfolio development, and career directions.

Graphic Design Program

The graphic designer's job is to make information useful by presenting it in an attractive, easy to read and understandable manner. In this way the designer has the ability to link a writer with the reader, or a producer with the consumer. The results of the designer's efforts are seen in forms ranging from: catalogs delivered to the door, packaging on store shelves, trade show exhibits, television commercials and web sites designed with high-tech computer animation and graphics.

The graphic design program requires the study of drawing, design history, 3-D structure, typography, and photography. This visual commitment provides the student with the experience to uniquely capture the consumer's attention, intrigue, and make the consumer actively want to stop and read. This program includes professional practice courses on catalog design, magazine production, portfolio development and career options.

Bachelor of Fine Arts Degree

The Bachelor of Fine Arts degree is conceived by the Art Department of Eastern New Mexico University to be a highly professional undergraduate program that prepares students in a more specialized and directed way before entering the professional fields in art. Students seeking a BFA degree in the Department of Art enter by special application only. Application to this program may be made no sooner than the second semester of the student's sophomore year. Acceptance into this program is competitive and based on the quality of both visual and written material submitted. If denied admittance into the program the student may reapply in a subsequent semester. Acceptance into the BFA program *must* be granted no later than three semesters prior to expected graduation.

Requirements for admission into the Department of Art BFA Program:

1. Successful completion of three semesters of course work (minimum 31 credit hours) with a 3.0 GPA in all art courses taken.
2. Successful completion of the following art courses: Art 145, 146, 165, 166, 199, 205, 245, 299, and 345.
3. Submission of a portfolio consisting of examples and letter of intent. A list of required work, deadlines and application form and available from the BFA coordinator. This portfolio will be reviewed by the entire faculty of the Department of Art.

All BFA candidates are required to have a senior show during their last semester. Each student is responsible for security, publicity and installation of their work. The exhibit must be in place for a minimum of five days.

All BFA majors must complete 131 hours, 55 hours General Education Requirements and 76 hours Art Requirements.

Other Guidelines

BS and BA majors are not required to present a senior show.

BS and BA majors are required to complete 123 hours, to include 55 hours General Education and 68 hours Art Requirements, plus the hours required for a minor.

Lab fees are required in many Art courses.

An inexpensive 35 mm camera with adjustable shutter speeds and F-stops is required throughout the Freshman and Sophomore years.

All students enrolled in art courses must furnish their own materials except certain equipment provided by the University. ENMU is not liable for damages from fire, water, or theft to personal property or to any student work.

Descriptions of ART courses begin on page 106.

DEGREE: Associate of Arts (AA)

MAJOR: Art

1. Associate of Arts Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

2. General Education Requirements (32 hours)

To be selected from page 30 as approved by department. Must include:

ART 165 Art History I (4)

3. Art Course Requirements (32 hours)

ART 145 Materials I (4)

ART 146 Materials II (4)

ART 166 Art History II (4)

ART 205 Drawing (4)

ART 206 Human Figure (4)

ART 245 Visual Concepts and Principles I (4)

ART 246 Visual Concepts and Principles II (4)

ART 199/299 Demonstration of Conceptual Development (4)

DEGREE: Bachelor of Fine Arts (BFA)

MAJOR: Art

EMPHASIS: Interdisciplinary Arts

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

NOTE: BFA Candidates must also satisfy requirements on page 54 and be accepted into the BFA Program, see page 54.

BA candidates must satisfy language requirements of 6-14 hours.

2. General Education Requirements (46-50 hours), see page 30.

Must include:

ART 165 Art History I (4)

3. Total Art Requirements (80 hours)

Art Foundations Course Requirements (40 hours)

ART 145 Materials I (4)

ART 146 Materials II (4)

ART 166 Art History II (4)

ART 199/299 Demonstration of Conceptual Development (4)

ART 205 Drawing (4)

ART 206 Human Figure (4)

ART 245 Visual Concepts and Principles I (4)

ART 246 Visual Concepts and Principles II (4)

ART 345 Advanced Materials I (4)

ART 346 Advanced Materials II (4)

Interdisciplinary Art Requirements (40 hours)

ART 365 History of Design I (4)

ART 366 History of Design II (4)

ART 395 Interdisciplinary Arts I (4)

ART 396 Interdisciplinary Arts II (4)

ART 495 Interdisciplinary Arts III (4)

ART 496 Interdisciplinary Arts IV (4)

ART 399/499 Demonstration of Conceptual Development (4)

Professional Practice (8) (with consent of advisor.)

ART electives (4)

DEGREE: Bachelor of Arts (BA) or Bachelor of Science (BS)

MAJOR: Art

EMPHASIS: Interdisciplinary Arts

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

BA candidates must satisfy language requirement (6-14 hours).

2. General Education Requirements (46-50 hours), see page 30.

Must include:

ART 165 Art History I (4)

3. Total Art Requirements (72 hours)

Art Foundations Course Requirements (40 hours)

ART 145 Materials I (4)

ART 146 Materials II (4)

ART 166 Art History II (4)

ART 199/299 Demonstration of Conceptual Development (4)

ART 205 Drawing (4)

ART 206 Human Figure (4)

ART 245 Visual Concepts and Principles I (4)

ART 246 Visual Concepts and Principles II (4)

ART 345 Advanced Materials I (4)

ART 346 Advanced Materials II (4)

Interdisciplinary Art Requirements (32 hours)

ART 365 History of Design I (4)

ART 366 History of Design II (4)

ART 395 Interdisciplinary Arts I (4)

ART 396 Interdisciplinary Arts II (4)

ART 495 Interdisciplinary Arts III (4)

ART 496 Interdisciplinary Arts IV (4)

ART 399/499 Demonstration of Conceptual Development (4)

Professional Practice (4) (with consent of advisor.)

NOTE: Students must complete a minor of at least 15 hours as a requirement of the Bachelor of Arts or Bachelor of Science.

DEGREE: Bachelor of Fine Arts (BFA)

MAJOR: Art

EMPHASIS: Graphic Design

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

NOTE: BFA candidates must also satisfy the requirements on page 54 and be accepted into the BFA Program, see page 54.

2. General Education Requirements (46-50 hours), see page 30.

Must include:

ART 165 Art History I (4)

3. Total Art Requirements (76 hours)

Art Foundations Course Requirements (36 hours)

ART 145 Materials I (4)

ART 146 Materials II (4)

ART 166 Art History II (4)

ART 199/299 Demonstration of Conceptual Development (4)

ART 205 Drawing (4)

ART 206 Human Figure (4)

ART 245 Visual Concepts and Principles I (4)

ART 246 Visual Concepts and Principles II (4)

ART 345 Advanced Materials I (4)

ART 346 Advanced Materials II (4)

Graphic Design Art Requirements (40 hours)

ART 375 Introduction to Graphic Design (4)

ART 376 Graphic Design Techniques (4)

ART 365 History of Design I (4)

ART 366 History of Design II (4)

ART 475 Publication Design (4)

ART 476 Graphic Design Portfolio (4)

ART 399/499 Demonstration of Conceptual Development (4)

Professional Practice (8) (with consent of advisor)

ART Electives (4)

DEGREE: Bachelor of Arts (BA) or Bachelor of Science (BS)**MAJOR:** Art**EMPHASIS:** Graphic Design**1. Bachelor's Degree Requirements, see page 28.**

Includes:

UNIV 101 Freshman Seminar (3)

NOTE: BA candidates must satisfy language requirements of 6-14 hours.

2. General Education Requirements (46-50 hours), see page 30.

Must include:

ART 165 Art History I (4)

3. Total Art Requirements (68 hours)**Art Foundations Course Requirements (36 hours)**

ART 145 Materials I (4)

ART 146 Materials II (4)

ART 166 Art History II (4)

ART 199/299 Demonstration of Conceptual Development (4)

ART 205 Drawing (4)

ART 206 Human Figure (4)

ART 245 Visual Concepts and Principles I (4)

ART 246 Visual Concepts and Principles II (4)

ART 345 Advanced Materials I (4)

ART 346 Advanced Materials II (4)

Graphic Design Art Requirements (32 hours)

ART 375 Introduction to Graphic Design (4)

ART 376 Graphic Design Techniques (4)

ART 365 History of Design I (4)

ART 366 History of Design II (4)

ART 475 Publication Design (4)

ART 476 Graphic Design Portfolio (4)

ART 399/499 Demonstration of Conceptual Development (4)

Professional Practice (4) (with consent of advisor)

Note: Students must complete a minor of at least 15 hours as a requirement of the Bachelor of Arts or Bachelor of Science.**MINOR:** Art/Computer Graphics/Animation
(for Telecommunication Majors Only)**Art Course Requirements (28 hours)**

ART 145 Materials I (4)

ART 146 Materials II (4)

ART 245 Visual Concepts and Principles I (4)

ART 345 Advanced Materials I (4)

ART 459 Computer Graphics/Animation (12)

(Repeated for credit.)

MINOR: Art (for Non-Majors)**Art Course Requirements (24 hours)**

ART 145 Materials I (4)

ART 146 Materials II (4)

ART 165 Art History I (4)

ART 166 Art History II (4)

ART 205 Drawing (4)

ART 245 Visual Concepts and Principles I (4)

MINOR: Fine Arts**Fine Arts Course Requirements (27 hours)**

MUS 6 hours

ART 4 hours

THTR 3 hours

DNC 3 hours

Fine Arts electives 11 hours

SUBJECT MATTER ENDORSEMENT**AREA/MINOR:** Visual Arts**LICENSURE:** Elementary Only**Art Course Requirements (24 hours)**

ART 145 Materials I (4)

ART 146 Materials II (4)

ART 165 Art History I (4)

ART 166 Art History II (4)

Select 8 hours from the following:

ART 245 Visual Concepts and Principles I (4)

ART 246 Visual Concepts and Principles II (4)

ART 345 Advanced Materials I (4)

ART 346 Advanced Materials II (4)

ART 365 History of Design I (4)

ART 366 History of Design II (4)

MINOR: Communication/Computer Graphics/Animation
(for Art Majors Only)**Communication/Computer Graphics Course
Requirements (28 hours)**

COMM 110/110L Beginning Television Production (3)

COMM 201 Introduction to Mass Communication (3)

COMM 220/220L Intermediate Television Production (3)

ART 459 Computer Graphics/Animation (4)

(Repeat for 12 hours.)

4 hours from the following:

COMM 344 Mass Communication Workshop (2)

(Repeat for 4 hours.)

3 hours from the following:

COMM 420 Documentary Field Production (3)

COMM 422/422L Directing for Television (3)

SCHOOL OF MUSIC

Professors:	David Gerig John Olsen Jeanie Wozencraft-Ornellas
Assistant Professors:	Chris Beaty Tracy Carr David Duke John Kennedy
Instructors:	Neil Rutland Dustin Seifert

The College of Fine Arts is dedicated to the pursuit of excellence through the development of a tradition which includes the arts of all people. We strive to make the arts accessible to all members of the university and community, to instill in students a comprehension and appreciation of all arts, and to help prepare talented/dedicated students to continue the traditions of our profession and expand its scope. Our focus is on the development of the individual student, so each might find meaning and fulfillment as an artist, as an educated member of society, and as an expressive human being.

The School of Music at Eastern New Mexico University is committed to providing exceptional professional preparation for its music majors. Part of this preparation includes periodic formal assessment of students. Music majors are required to participate in the assessment process and to demonstrate continued musical growth and development. All students must satisfactorily complete a minimum of two (2) upper level assessments.

The School of Music is also committed to providing significant educational and aesthetic experiences for the university community and the region it serves. As an entity within a state-supported regional institution, the School recognizes its need to respond to the changing needs of contemporary society.

Major programs in music prepare students for careers in performance, public school or private studio teaching, music theatre, and music business. The School of Music is an accredited institutional member of the National Association of Schools of Music.

Many courses and ensembles are available to the non-music major. Students can study and experience music of virtually any style, from traditional Western European art music to jazz or ethnic music.

Entering freshmen and transfer students majoring in music must take a theory placement examination. Students desiring to pursue a Bachelor of Music degree in performance are required to pass an audition before admittance to this program. Admittance to a music education program does not automatically constitute acceptance into the teacher education program. (See page 40 for information about Teacher Education Regulations.) Music education majors must have the approval of the discipline faculty and the Director of the School of Music before they can student teach.

Students pursuing a music education program can qualify for state certification in grades K-12 with the endorsement in either vocal or instrumental music. Descriptions for MUED courses begin on page 136. Descriptions for MUS courses begin on page 134.

DEGREE: Bachelor of Science (BS)

MAJOR: Music

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

2. General Education Requirements (46-50 hours), see page 30.

Must include:

MUS 151 Music Theory I (3)

3. Musicianship Core (23 hours)

MUS 152 Music Theory II (3)

MUS 153 Aural Skills I (1)

MUS 154 Aural Skills II (1)

MUS 163 Literature of Music (3)

MUS 212 Assessment I (NC)

MUS 251 Music Theory III (3)

MUS 252 Music Theory IV (3)

MUS 253 Aural Skills III (1)

MUS 254 Aural Skills IV (1)

MUS 306 Conducting I (1)

MUS 308 Recital Attendance (NC)
(Must complete seven semesters.)

MUS 333 History of Music I (3)

MUS 334 History of Music II (3)

MUS 412 Assessment II (NC)

4. Performance Core (16 hours)

Applied Music (8 hours) (private or class lesson)

Ensemble (8 hours) (Must enroll each semester for a minimum of eight semesters for a minimum of 1 credit hour per semester; must include 4 semesters of large ensemble.)

5. Music Electives (5 hours)

Must include academic music classes

6. Capstone Experience (3-6 hours)

MUS 454 Senior Project (3) **OR**

MUS 459 Internship in Music (6)

7. Electives (25-32 hours)

NOTE: Students must complete a minor of at least 15 hours as a requirement of the Bachelor of Science. (Suggested minors include: Music Technology (18 hours), see page 43, Telecommunications (25 hours), see page 77.)

DEGREE: Bachelor of Science (BS)

MAJOR: Music

EMPHASIS: Music with Elective Studies in Business

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

2. General Education Requirements (46-50 hours), see page 30.

Must include:

COMM 102 Public Speaking (3)

MATH 110 College Algebra (3)

STAT 213 Statistical Methods I (4)

ECON 221 Principles of Macro Economics (3)

PSY 101 Introductory Psychology (3)

MUS 151 Music Theory I (3)

3. Musicianship Core (16 hours)

MUS 152 Music Theory II (3)

MUS 153 Aural Skills I (1)

MUS 154 Aural Skills II (1)

MUS 163 Literature of Music (3)

MUS 212 Assessment I (NC)

MUS 251 Music Theory III (3)

MUS 252 Music Theory IV (3)

MUS 253 Aural Skills III (1)

MUS 254 Aural Skills IV (1)

MUS 308 Recital Attendance (NC)
(Must complete seven semesters.)

MUS 412 Assessment II (NC)

4. Performance Core (12 hours)

Applied music (6 hours)

Ensembles (6 hours) (Must enroll each semester for a minimum of six semesters for a minimum of 1 hour per semester; must include 3 semesters of large ensemble.)

5. Music Electives (5-8 hours)

3 hours must be academic music classes

6. Music Business (12 hours)

MUS 357 Seminar in Music Business (1)

(Must take 1 hour each semester for a total of 6 hours)

MUS 459 Internship in Music (6)

7. Business Core (22 hours)

ACCT 201 Introductory Accounting I (4)

ACCT 202 Introductory Accounting II (3)

BUS 151 Introduction to Business (3)

BUS 315 Business Law I (3)

CIS 151 Basic Computer Skills (3)

ECON 222 Principles of Micro Economics (3)

MKT 301 Principles of Marketing (3)

8. Business Concentrations (9 hours)**OPTION: 1 (RECORDING) (9 hours)**

BUS 316 Business Law II (3)

BUS 305 Entrepreneurship (3)

MKT 360 Professional Selling (3)

OPTION: 2 (RETAILING) (9 hours)

BUS 305 Entrepreneurship (3)

MKT 322 Retailing and E-Commerce (3)

MKT 452 Integrated Marketing Communications (3)

OPTION: 3 (HUMAN RESOURCE MANAGEMENT) (9 hours)

BUS 316 Business Law II (3)

MGT 310 Human Resources Management (3)

MGT 313 Contemporary Organizational Behavior (3)

DEGREE: Bachelor of Music (BM)**MAJOR: Music****EMPHASIS: Piano Performance****1. Bachelor's Degree Requirements, see page 28.**

Includes:

UNIV 101 Freshman Seminar (3)

2. General Education Requirements (46-50 hours), see page 30.

Must include:

MUS 151 Music Theory I (3)

PSY 101 Introductory Psychology (3)

3. Musicianship Core (29 hours)

MUS 114 Fundamentals of Voice (1)

MUS 152 Music Theory II (3)

MUS 153 Aural Skills I (1)

MUS 154 Aural Skills II (1)

MUS 163 Literature of Music (3)

MUS 212 Assessment I (NC)

MUS 251 Music Theory III (3)

MUS 252 Music Theory IV (3)

MUS 253 Aural Skills III (1)

MUS 254 Aural Skills IV (1)

MUS 306 Conducting I (1)

MUS 308 Recital Attendance (NC)

(Must complete seven semesters.)

MUS 333 History of Music I (3)

MUS 334 History of Music II (3)

MUS 352 Eighteenth-Century Counterpoint (2)

MUS 411 Conducting II (1)

MUS 412 Assessment II (NC)

MUS 452 Form and Analysis (2)

4. Performance Core (32 hours)

MUS 307 Junior Recital (1)

MUS 407 Senior Recital (1)

MUS 464 Chamber Music Performance (1)

(Must take 3 hrs.)

MUS 220 Piano (12 hours minimum)

MUS 420 Piano (12 hours minimum)

Large Ensemble (3 hours)

(Must enroll for a minimum of three semesters)

5. Pedagogy and Literature Core (17 hours)

MUS 181 MIDI I (3)

MUS 265 Introduction to Piano Pedagogy (2)

MUS 365 Piano Pedagogy I (3)

MUS 366 Piano Pedagogy II (3)

MUS 367 Practicum in Piano Pedagogy (1)

(Must enroll for a minimum of 2 semesters)

MUS 471 Piano Literature I (2)

MUS 472 Piano Literature II (2)

6. Other Requirements (3 hours)PSY 201 Child Psychology (3), **OR**

PSY 202 Adolescent Psychology (3)

DEGREE: Bachelor of Music (BM)**MAJOR: Music****EMPHASIS: Instrumental Performance****1. Bachelor's Degree Requirements, see page 28.**

Includes:

UNIV 101 Freshman Seminar (3)

2. General Education Requirements (46-50 hours), see page 30.

Must include:

MUS 151 Music Theory I (3)

3. Musicianship Core (31 hours)

MUS 152 Music Theory II (3)

MUS 153 Aural Skills I (1)

MUS 154 Aural Skills II (1)

MUS 163 Literature of Music (3)

MUS 212 Assessment I (NC)

MUS 251 Music Theory III (3)

MUS 252 Music Theory IV (3)

MUS 253 Aural Skills III (1)

MUS 254 Aural Skills IV (1)

MUS 308 Recital Attendance (NC)

(Must complete seven semesters.)

MUS 306 Conducting I (1)

MUS 333 History of Music I (3)

MUS 334 History of Music II (3)

MUS 352 Eighteenth-Century Counterpoint (2)

MUS 362 Orchestration and Arranging (3)

MUS 411 Conducting II (1)

MUS 412 Assessment II (NC)

MUS 452 Form and Analysis (2)

4. Performance Core (40-43 hours)

MUS 117 Fundamentals of Piano (1)

MUS 118 Fundamentals of Piano (1)

MUS 217 Fundamentals of Piano (1)

MUS 218 Fundamentals of Piano (1)

MUS 307 Junior Recital (1)

MUS 407 Senior Recital (1)

24 hours (minimum) major applied (private lessons)

a. Strings

8 hours large ensemble (band and/or orchestra). Must enroll each semester for a minimum of eight semesters and a minimum of 1 hour per semester. (Must enroll for a minimum of four semesters in band).

2 hours instrumental ensemble (strings)

b. Winds/Percussion

7 hours of band, must include:

-3 semesters Marching Band (1 semester may

include HPE 118, Marching Band, for 1 credit)
-4 semesters (MUS 398) Symphonic Band

Large Ensemble substitutions can only be made with the consent of the Director of the School of Music.

6 hours instrumental ensemble

5. Music Electives (3-6 hours)

Must include 3 hours from the following:

MUED	223	High Brass Teaching Techniques (1)
MUED	300	Jazz Methods (2)
MUED	310	Woodwind Teaching Techniques I (1)
MUED	311	Woodwind Teaching Techniques II (2)
MUED	312	Low Brass Teaching Techniques (2)
MUED	314	Percussion Teaching Techniques (2)
MUED	323	String Methods and Materials (2)

Any remaining hours to be selected from academic MUS/MUED courses.

DEGREE: Bachelor of Music (BM)

MAJOR: Music

EMPHASIS: Vocal Performance

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV	101	Freshman Seminar (3)
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2. General Education Requirements (46-50 hours), see page 30.

Must include:

FR	101	Beginning French (4)
MUS	151	Music Theory I (3)

3 hrs. English literature

3. Musicianship Core (31 hours)

MUS	152	Music Theory II (3)
MUS	153	Aural Skills I (1)
MUS	154	Aural Skills II (1)
MUS	163	Literature of Music (3)
MUS	212	Assessment I (NC)
MUS	251	Music Theory III (3)
MUS	252	Music Theory IV (3)
MUS	253	Aural Skills III (1)
MUS	254	Aural Skills IV (1)
MUS	306	Conducting I (1)
MUS	308	Recital Attendance (NC)
(Must complete seven semesters.)		
MUS	333	History of Music I (3)
MUS	334	History of Music II (3)
MUS	352	Eighteenth-Century Counterpoint (2)
MUS	401	Vocal Literature I (2)
MUS	402	Vocal Literature II (2)
MUS	412	Assessment II (NC)
MUS	452	Form and Analysis (2)

4. Performance Core (33 hours)

MUS	307	Junior Recital (1)
MUS	332	Functional Piano (1)
MUS	407	Senior Recital (1)
MUS	210	Voice (8 hrs. minimum)
MUS	410	Voice (12 hrs. minimum)

Large Choral Ensemble (8 hours)

(Must enroll each semester for a minimum of 8 semesters)

MUS	347	Swanee Singers (1)
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1 hour piano and completion of proficiency

5. Pedagogy Core (14 hours)

MUS	363	Language Diction I (2)
MUS	364	Language Diction II (2)
MUS	481	Vocal Pedagogy (3)
MUS	273/473	Rehearsal and Performance in Music Theatre (1)
(Must take 2 semesters)		
MUS	205/405	Music Theatre Production (1)
(Must take 2 semesters)		
THTR	121	Beginning Acting (3)

6. Other Requirements (4 hours)

FR	102	Continuation of Beginning French (4)
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DEGREE: Bachelor of Music (BM)

MAJOR: Music

EMPHASIS: Music Theatre

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV	101	Freshman Seminar (3)
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2. General Education Requirements (46-50 hours), see page 30.

Must include:

MUS	151	Music Theory I (3)
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3. Musicianship Core (27 hours)

MUS	152	Music Theory II (3)
MUS	153	Aural Skills I (1)
MUS	154	Aural Skills II (1)
MUS	163	Literature of Music (3)
MUS	251	Music Theory III (3)
MUS	252	Music Theory IV (3)
MUS	253	Aural Skills III (1)
MUS	254	Aural Skills IV (1)
MUS	205/405	Music Theatre Production (1)
(Must take 2 semesters)		
MUS	375	Survey of Music Theatre (3)
MUS	306	Conducting I (1)
MUS	308	Recital Attendance (NC)
(Must complete 7 semesters)		
MUS	363	Language Diction I (2)
MUS	481	Vocal Pedagogy (3)

4. Performance Core (30 hours)

MUS	210	Voice (8 hrs. minimum)
MUS	410	Voice (8 hrs. minimum)
MUS	307	Junior Recital (1)
MUS	407	Senior Recital (1)
MUS	332	Functional Piano (1)
MUS	273/473	Rehearsal and Performance in Music Theatre (3 hours minimum)
MUS	347	Swanee Singers (3 hours minimum)

Large Choral Ensemble (4 hours)

(Must enroll for a minimum of 4 semesters)

1 hour piano and completion of proficiency

5. Theatre/Dance Core (27 hours)

THTR	117	Freshman Dramatic Studies (6), OR
THTR	121	Beginning Acting (3), AND
THTR	312	Basic Stage Directing (3)
THTR	212	Theatrical Makeup (2)
THTR	221	Intermediate Acting (3)
THTR	321	Advanced Acting (3)
THTR	422	Styles in Acting (3)
THTR	432	Theatre History II (Restoration to 20th Century (3)

7 hours of DNC electives as approved by advisor

DEGREE: Bachelor of Music Education (BME)
MAJOR: Music Education
EMPHASIS: Choral
LICENSURE: Grades K-12

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

2. Teaching Degree General Education Requirements (55-56 hours), see page 42.

Must include:

MUS 163 Literature of Music (3)

3. Professional Education Requirements (30 hours), see page 43.

4. Musicianship Core (29 hours)

MUS 151 Music Theory I (3)
 MUS 152 Music Theory II (3)
 MUS 153 Aural Skills I (1)
 MUS 154 Aural Skills II (1)
 MUS 212 Assessment I (NC)
 MUS 251 Music Theory III (3)
 MUS 252 Music Theory IV (3)
 MUS 253 Aural Skills III (1)
 MUS 254 Aural Skills IV (1)
 MUS 306 Conducting I (1)
 MUS 308 Recital Attendance (NC)
 (Must complete 7 semesters.)
 MUS 333 History of Music I (3)
 MUS 334 History of Music II (3)
 MUS 360 Choral Arranging (2)
 MUS 362 Orchestration & Arranging (3)
 MUS 411 Conducting II (1)
 MUS 412 Assessment II (NC)

5. Performance Core (17 hours)

MUS 210 Voice (4 hours minimum)
 MUS 332 Functional Piano (1)
 MUS 302 Junior Recital (NC)
 1 hour minimum piano and completion of proficiency

6. Music Education Core (12 hours)

MUED 378 Teaching Elementary School Music (3)
 MUED 476 Teaching Secondary School Music (3)
 MUS 363 Language Diction I (2)
 MUS 481 Vocal Pedagogy (3)
 MUS 273/473 Rehearsal and Performance in Music Theatre (1)

DEGREE: Bachelor of Music Education (BME)
MAJOR: Music Education
EMPHASIS: Instrumental
LICENSURE: Grades K-12

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

2. Teaching Degree General Education Requirements (55-56 hours), see page 42.

Must include:

MUS 163 Literature of Music (3)

3. Professional Education Requirements (30 hours), see page 43.

4. Musicianship Core

a. String (27 hours)

MUS 151 Music Theory I (3)
 MUS 152 Music Theory II (3)
 MUS 153 Aural Skills I (1)
 MUS 154 Aural Skills II (1)
 MUS 212 Assessment I (NC)
 MUS 251 Music Theory III (3)
 MUS 252 Music Theory IV (3)
 MUS 253 Aural Skills III (1)
 MUS 254 Aural Skills IV (1)

MUS 306 Conducting I (1)
 MUS 308 Recital Attendance (NC)
 (Must complete 7 semesters.)
 MUS 333 History of Music I (3)
 MUS 334 History of Music II (3)
 MUS 362 Orchestration and Arranging (3)
 MUS 411 Conducting II (1)
 MUS 412 Assessment II (NC)

b. Winds/Percussion (27 hours)

MUS 151 Music Theory I (3)
 MUS 152 Music Theory II (3)
 MUS 153 Aural Skills I (1)
 MUS 154 Aural Skills II (1)
 MUS 212 Assessment I (NC)
 MUS 251 Music Theory III (3)
 MUS 252 Music Theory IV (3)
 MUS 253 Aural Skills III (1)
 MUS 254 Aural Skills IV (1)
 MUS 306 Conducting I (1)
 MUS 308 Recital Attendance (NC)
 (Must complete 7 semesters.)
 MUS 333 History of Music I (3)
 MUS 334 History of Music II (3)
 MUS 362 Orchestration and Arranging (3)
 MUS 411 Conducting II (1)
 MUS 412 Assessment II (NC)

5. Performance Core

a. Strings (20 hours)

MUS 114 Fundamentals of Voice (1)
 8 hours major applied (private lessons)
 7 hours orchestra (must enroll each semester except student teaching semester)
 MUS 302 Junior Recital (NC)
 3 hours secondary string instruments
 1 hour minimum piano (completion of MUS 218)

b. Winds/Percussion (16 hours)

MUS 114 Fundamentals of Voice (1)
 7 hours major applied (private lessons) (3 hours must be upper division)
 7 hours minimum band (must enroll each semester for a minimum of 7 semesters and for a minimum of 1 hour per semester—must include a minimum of 3 semesters marching band) (1 semester may include HPE 118, Marching Band for 1 credit).
 MUS 302 Junior Recital (NC)
 1 hour minimum piano (completion of MUS 218)

6. Music Education Core

a. Strings (13 hours)

MUED 223 High Brass Teaching Techniques (1)
 MUED 310 Woodwind Teaching Techniques I (1)
 MUED 311 Woodwind Teaching Techniques II (2)
 MUED 312 Low Brass Teaching Techniques (2)
 MUED 314 Percussion Teaching Techniques (2)
 MUED 323 String Methods and Materials (2)
 MUED 476 Teaching Secondary School Music (3)

b. Winds/Percussion (18 hours)

MUED 223 High Brass Teaching Techniques (1)
 MUED 300 Jazz Methods (2)
 MUED 310 Woodwind Teaching Techniques I (1)
 MUED 311 Woodwind Teaching Techniques II (2)
 MUED 312 Low Brass Teaching Techniques (2)
 MUED 313 String Teaching Techniques (1)
 MUED 314 Percussion Teaching Techniques (2)
 MUED 372 Techniques of Marching Band (2)
 MUED 403 Wind Ensemble and Band Literature (2)
 MUED 476 Teaching Secondary School Music (3)

MINOR: Music (28 hours)

(NOTE: Not usable toward teaching endorsement in music.)

1. Music Core Requirements (19 hours)

- MUS 151 Music Theory I (3)
- MUS 152 Music Theory II (3)
- MUS 153 Aural Skills I (1)
- MUS 154 Aural Skills II (1)
- MUS 163 Literature of Music (3)
- 4 hours private lessons
- 4 hours ensemble (must enroll each semester for a minimum of 4 semesters)

2. Music Electives (9 hours)

- 9 hours music courses (Must include 6 hours academic courses.)

SUBJECT MATTER ENDORSEMENT**AREA/MINOR: Music Education****LICENSURE: Elementary or Special Education Only****Music Course Requirements (24 hours total)****1. Music Core (9-10 hours)**

- MUS 101 Music Reading (3), **OR**
 - MUS 151 Music Theory I (3)
 - MUS 308 Recital Attendance (NC)
- (Must complete 2 semesters.)

2 hours voice

3 hours piano and completion of minimum proficiency (MUS 218 Fundamentals of Piano (1) or equivalent)

1-2 hours choral ensemble

2. Licensure

For Elementary and Special Education Licensure (6 hours)

- MUED 377 Music for Elementary Teachers (3)
- MUED 378 Teaching Elementary School Music (3)

3. Select an additional 8-10 hours from the following:

- MUS 113 Music Appreciation (3)
 - MUS 119 Fundamentals of Guitar (1)
- (May be repeated for a total of 2 hrs.)
- MUS 151 Music Theory I (3)
 - MUS 152 Music Theory II (3)
 - MUS 153 Aural Skills I (1)
 - MUS 154 Aural Skills II (1)
 - MUS 410 Voice (4 hours minimum)
- 7 hours minimum large choral ensemble (must enroll each semester for a minimum of seven semesters and a minimum of 1 hour per semester)
- MUS 163 Literature of Music (3)
 - MUS 306 Conducting I (1)
 - MUS 332 Functional Piano (1)
 - MUS 334 History of Music II (3)
- Large or Small Instrumental Ensembles (1 hour) MUS 368, 373, 392, 397, 398)

MINOR: Fine Arts**Fine Arts Course Requirements (27 hours)**

- MUS 6 hours
- ART 4 hours
- THTR 3 hours
- DNC 3 hours
- Fine Arts Electives 11 hours

MINOR: Piano (27 hours)**1. Piano Core (16 hours)**

- MUS 220/420 Piano 8 hours (2 each semester for 4 semesters)
- MUS 265 Introduction to Piano Pedagogy (2)
- MUS 302 Junior Recital (NC), **OR**
30 minute jury (NC)
- MUS 365 Piano Pedagogy I (3)
- MUS 366 Piano Pedagogy II (3)

2. Music Core (11 hours)

- MUS 151 Music Theory I (3)
- MUS 152 Music Theory II (3)
- MUS 153 Aural Skills I (1)
- MUS 154 Aural Skills II (1)
- MUS 163 Literature of Music (3)

MINOR: Music Technology (18 hours)**1. Music Core Requirements (12 hours)**

- MUS 181 MIDI I (3)
- MUS 281 MIDI II (3)
- MUS 182 Music Recording Techniques I (3)
- MUS 282 Music Recording Techniques II (3)

2. Music Electives (minimum 6 hours)

Any academic music courses

Private Lessons for the major - any instrument (Maximum 3 hours credit)

Music Ensembles (maximum 4 hours credit)

DEPARTMENT OF THEATRE AND DANCE

Professors: Felipe E. Macias
Patrick Rucker
Associate Professor: Janeice Scarbrough

The Department of Theatre and Dance offers training in the art and craft of theatre and dance while providing students with a foundation in the liberal arts. A high level of commitment and professionalism is expected from all students, whether they are pursuing a professional or an educational career. Many students, especially those with a minor in theatre or dance, will use their arts experience as enrichment to training in other areas.

The Department of Theatre and Dance is committed to a thorough and ongoing assessment process for students. Formal student assessment normally occurs at the end of each semester. New students who desire to pursue a BFA emphasis may do so on a probationary basis pending their official acceptance by the faculty into a BFA emphasis program. Upon acceptance, each departmental student is further expected to continue to participate in the assessment process by periodically demonstrating to the faculty, his/her continued growth and development in dramatic arts.

Theatre majors must meet all requirements outlined in the Departmental Handbook. Once accepted into the BFA program the student is required to maintain an overall GPA of 2.5 along with a 3.0 GPA in all departmental courses taken. Consistent with University policy, a "D" grade will not count in the student's major or minor programs. Descriptions for THTR courses begin on page 142.

DEGREE: Bachelor of Fine Arts (BFA)
MAJOR: Theatre
EMPHASIS: Theatre Performance

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

2. General Education Requirements (46-50 hours), see page 30.

3. Theatre Core Curriculum (53 hours).

THTR	117	Freshman Dramatic Studies (6)
THTR	122	Voice of the Performer (3)
THTR	140	Freshman Technical Seminar (6)
THTR	212	Theatrical Makeup (2)
THTR	221	Intermediate Acting (3)
THTR	312	Basic Stage Directing (3)
THTR	321	Advanced Acting (3)
THTR/ENG	324	Workshop in Playwriting (3)
THTR	340	Design Seminar (6)
THTR	422	Styles in Acting (3)
THTR/ENG	425	Dramatic Literature (3)
THTR	431	Theatre History I (3)
THTR	432	Theatre History II (3)
THTR	433	Theatre History III (3)
THTR	499	Major Recital (3)

4. Collateral Studies (24 hours).

Must include:

DNC	315	Laban Movement Analysis (3)
THTR	205	Technical Production (2)
THTR	405	Technical Production (2)

Fine Arts electives to be selected with approval of advisor (17 hours)

5. General Electives (8-9 hours)

To be selected by the student from any course at the University.

DEGREE: Bachelor of Fine Arts (BFA)
MAJOR: Theatre
EMPHASIS: Dance Studies

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

2. General Education Requirements (46-50 hours), see page 30.

Must include:

DNC 101 Introduction to Dance (3)

A course with lab in Human Anatomy to be chosen in consultation with department chair (4)

3. Theatre and Dance Core Curriculum (52 hours)

THTR	117	Freshman Dramatic Studies (6)
THTR	340	Design Seminar (6)
DNC	102	Introduction to Modern Dance (3)
DNC	108	Introduction to Ballet (2)
DNC	202	Beginning Modern Dance (3)
DNC	207	Dance Notation (2)
DNC	208	Beginning Ballet (2)
DNC	210	Styles in Dance (2)
DNC	283/483	Rehearsal and Performance (3 sections) (3)
DNC	302	Intermediate Modern Dance (3)
DNC	308	Intermediate Ballet (2)
DNC	315	Laban Movement Analysis (3)
DNC	394	Dance History (3)
DNC	402	Advanced Modern Dance (3)
DNC	410	Styles in Dance (2)
DNC	451	Choreography (2)
DNC	499	Major Recital (3)

4. Collateral Studies (24 hours)

Must include:

MUS	101	Music Reading (3)
COMM	110/110L	Beginning Television Production (3)
DNC	351	Movement Improvisation (2)
HPE	312	Kinesiology (3)

Electives to be selected with approval of advisor (15 hours)

6. General Electives (9 hours)

To be selected by the student from any course at the University.

MINOR: Dance

Dance Courses Requirements (24 hours)

DNC	102	Introduction to Modern Dance (3)
DNC	108	Introduction to Ballet (2)
DNC	202	Beginning Modern Dance (3)
DNC	208	Beginning Ballet (2)
DNC	283/483	Rehearsal and Performance (1) (Must take 2 hours)

DNC 351 Movement Improvisation (2)

DNC 394 Dance History (3)

7 hours of DNC electives as approved by Department.

DEGREE: Bachelor of Fine Arts (BFA)
MAJOR: Theatre
EMPHASIS: Design/Technical Theatre

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

2. General Education Requirements (46-50 hours), see page 30.

Must include:

ART 101 Beginning Drawing (3)

3. Theatre Core Curriculum (53 hours)

THTR	117	Freshman Dramatic Studies (6)
THTR	140	Freshman Technical Seminar (6)
THTR	205/405	Technical Production (7 sections) (14)
THTR	312	Basic Stage Directing (3)
THTR	340	Design Seminar (6)

THTR	345	History of Dress and Décor (3)
THTR	434	Theatrical Scene Painting (3)
THTR	440	Theatre Design Practicum (6) (2 sections)
THTR/ENG	425	Dramatic Literature (3)
THTR	499	Major Recital (3)

4. Collateral Studies (24 hours)

THTR	431	Theatre History I (3)
THTR	432	Theatre History II (3)
THTR	433	Theatre History III (3)

Fine Arts electives to be selected with approval of advisor (15 hours)

5. General Electives (9 hours)

Must include:

EET/ENGR	111	Engineering Graphics (3)
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To be selected by the student from any course at the University. (9)

DEGREE: Bachelor of Fine Arts (BFA)

MAJOR: Theatre

EMPHASIS: University Theatre Studies

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV	101	Freshman Seminar (3)
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2. General Education Requirements (46-50 hours), see page 30.

3. Theatre Core Curriculum (53 hours).

THTR	117	Freshman Dramatic Studies (6)
THTR	140	Freshman Technical Seminar (6)
THTR	205/405	Technical Production (3 sections) (6)
THTR	212	Theatrical Makeup (2)
THTR	312	Basic Stage Directing (3)
THTR	321	Advanced Acting (3)
THTR/ENG	324	Workshop in Playwriting (3)
THTR	340	Design Seminar (6)
THTR	345	History of Dress and Décor (3), OR
DNC	394	Dance History (3)
THTR/ENG	425	Dramatic Literature (3)
THTR	431	Theatre History I (3)
THTR	432	Theatre History II (3)
THTR	433	Theatre History III (3)
THTR	499	Major Recital (3)

4. Non-Theatre Minor (24 hours)

To be selected with approval of advisor.

5. General Electives (9 hours)

To be selected by the student from any course at the University.

DEGREE: Bachelor of Fine Arts (BFA)

MAJOR: Theatre

EMPHASIS: Theatre Education

LICENSURE: Fine Arts K-12

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV	101	Freshman Seminar (3)
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2. Teaching Degree General Education Requirements (55-56 hours), see page 42.

3. Professional Education Requirements (36 hours), see page 43.

Must include:

THTR	470	Children's Theatre in Performance (3)
THTR	471	Children's Theatre in Production (3)

4. Theatre Courses Required (36 hours)

THTR	117	Freshman Dramatic Studies (6)
THTR	122	Voice for the Performer (3)
THTR	140	Freshman Technical Seminar (6)
THTR	221	Intermediate Acting (3)
THTR	312	Basic Stage Directing (3)
THTR	340	Design Seminar (6)
THTR	431	Theatre History I (3)
THTR	432	Theatre History II (3)

THTR	433	Theatre History III (3)
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5. Subject Matter Endorsement Area/Minor (24 hours)

See page 43 for ENMU recommended subject matter endorsement area/minors.

SUBJECT MATTER ENDORSEMENT

AREA/MINOR: Theatre Education

LICENSURE: Fine Arts K-12

Theatre Course Requirements (24 hours)

THTR	121	Beginning Acting (3)
THTR	312	Basic Stage Directing (3)
THTR	405	Technical Production (2)

(Must take 6 hours)

THTR	340	Design Seminar (6)
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6 additional hours to be determined by department

MINOR: Theatre

Theatre Course Requirements (24 hours)

THTR	117	Freshman Dramatic Studies (6)
THTR	122	Voice for the Performer (3)
THTR	340	Design Seminar (6)
THTR	431	Theatre History I (3), OR
THTR	432	Theatre History II (3), OR
THTR	433	Theatre History III (3)

6 hours of electives with approval of Department.

MINOR: Fine Arts (for non-majors)

Fine Arts Course Requirements (27 hours)

MUS	6 hours
ART	4 hours
THTR	3 hours
DNC	3 hours
Fine Arts Electives	11 hours

COLLEGE OF LIBERAL ARTS AND SCIENCES

The College of Liberal Arts and Sciences is a broad curricular unit organized to emphasize the essential harmony of the social, cultural, and scientific efforts of society. Within the rationale of liberal education, its principal purpose is to help students realize personal, professional, and vocational objectives. All departments of the College offer courses for general and liberal studies in addition to courses for majors and minors. A multicultural approach is utilized whenever possible. Instruction is enhanced by utilization of the Natural History, Blackwater Draw, Miles and Roosevelt County Museums; the Speech, Language, Hearing Clinic; KENW Radio and Television Station; KZIA AM radio station; and the Computer Center. Faculty and students within the College engage in research and professional activities, many of these promoted through research institutes and publication series supported by the University.

In addition to the Bachelor of Science (BS) and Bachelor of Arts (BA) degrees, the College of Liberal Arts and Sciences offers the Bachelor of Science in Nursing (BSN), Bachelor of Applied Science (BAS), and the Bachelor of University Studies (BUS) degree. The BUS affords the student a very broad-based undergraduate experience without the focused specialization of a major. The requirements for the BUS degree are on page 81.

	Minor	Major	Degree
Allied Health Unit			
Allied Health Sciences Programs			
Medical Technology		*	BS
Pre-Medicine			
Pre-Dentistry			
Pre-Pharmacy			
Pre-Physical Therapy			
Pre-Physician Assistant			
Pre-Veterinary Medicine			
Communicative Disorders		*	BS
Nursing		*	BSN
Department of Anthropology and Applied Archaeology			
Anthropology	*	*	BA, BS
Department of Biology			
Biology	*	*	BA, BS
Teaching of Natural Science	*		
Wildlife and Fisheries Sciences	*	*	BS
Department of Communicative Arts and Sciences			
Communication	*	*	BA, BS
Emphasis: Broadcast Journalism		*	BA, BS
Broadcast Production	*		BA, BS
Journalism	*	*	BA, BS
Public Relations		*	BA, BS
Speech	*	*	BA, BS
Sports Communications		*	BA, BS
Telecommunication	*		
Department of History and Humanities			
History	*	*	BA, BS
Philosophy			
Social Studies	*	*	BA, BS
Sociology	*	*	BA, BS
Interdisciplinary Programs			
Bachelor's Degree w/Secondary Science Licensure			
Greater Southwestern Studies	*		
General Studies			AA
University Studies			BUS
Women's Studies	*		

Department of Literature and Languages

English	*	*	BA,BS
French	*		
Professional/Technical Writing	*		
Spanish	*	*	BA

Department of Mathematical Sciences

Computer Science	*	*	BS
Electronics Engineering Technology Composite		*	BS, BAS
Electronics Engineering Technology	*		
Mathematics	*	*	BA, BS
Emphasis: Statistics	*	*	BA, BS

Department of Physical Sciences

Chemical Physics	*		
Chemistry	*	*	BS
Chemistry, Biochemistry Emphasis		*	BS
Environmental Geology	*		
General Science	*		
Geochemistry	*		
Geology	*	*	BA, BS
Geophysics	*		
Physics	*	*	BS
Teaching of Natural Science	*		

Department of Political Science

Political Science	*	*	BA, BS
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Department of Psychology, Sociology, and Criminal Justice

Criminal Justice	*	*	BA, BS
Psychology	*	*	BA, BS
Social Studies	*	*	BA, BS
Sociology	*	*	BA, BS

Department of Religion

Greek	*		
Religion	*	*	BA, BS

ALLIED HEALTH SCIENCES PROGRAMS

MEDICAL TECHNOLOGY

A degree of bachelor of science in medical technology entails two and one-half to three years of pre-clinical study on the main campus of ENMU followed by twelve to eighteen months of study in an approved school of medical technology or hospital. ENMU is affiliated with the following schools: School of Medical Technology, the University of New Mexico School of Medicine, Albuquerque, New Mexico; and Northwest Texas School of Medical Technology, Amarillo, Texas.

Students are accepted by these schools on a competitive basis. Students may apply to any other approved school of medical technology provided the application has prior approval of the Allied Health Sciences Advisory Committee.

Students entering or contemplating entering these programs should see the Allied Health Sciences Advisory Committee Chairperson in Roosevelt Hall, Room 111 for advice. This should occur prior to first enrollment if possible.

ALLIED HEALTH UNIT

DEGREE: Bachelor of Science (BS)

MAJOR: Medical Technology

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

2. General Education Requirements (46-50 hours), see page 30.

3. Biology Course Requirements (19 hours)

BIOL	151/151L	General Biology I (4)
BIOL	152/152L	General Biology II (4)
BIOL	214/214L	Microbiology (4)
BIOL	231	Genetics (3)
BIOL	421/421L	Principles of Immunology (4)

4. Chemistry Course Requirements (16 hours)

CHEM	151/151L	General Chemistry I (4)
CHEM	152/152L	General Chemistry II (4)
CHEM	233/233L	Quantitative Analysis (4)

4 hours from the following (depending on the requirement of the medical technology school):

CHEM	251/251L	Integrated Organic and Biochemistry (4)
CHEM	341/341L	Organic Chemistry I (4)
CHEM	342/342L	Organic Chemistry II (4)

5. Mathematics Course Requirements (3 hours)

MATH 110 College Algebra (3)

6. Recommended Electives (0-18 hours)

BIOL	422/422L	Medical Microbiology (4)
CHEM	452	Biochemistry (3)
PHYS	151/151L	General Physics (4), AND
PHYS	152/152L	General Physics (4)
BIOL	209/209L	Anatomy and Physiology I (4)
BIOL	210/210L	Anatomy and Physiology II (4)
BIOL	341/341L	Parasitology (4)
BIOL	424/424L	Advanced Human Physiology (4)

7. Clinical study in medical technology (32 or 52 hours): Student must submit a formal application for admission to approved school of medical technology, be admitted, and complete clinical study.

- Students completing the clinical portion of the program at other schools or hospitals must complete a minimum of 76-96 semester hours before their clinical study.
- While completing their clinical study at a program affiliated with ENMU, students should enroll in BIOL 480, Medical Technology Practicum.

8. Upon completion of study in the schools of medical technology or hospitals, the director of the school will certify student credits to the ENMU Registrar, thus enabling the student to enter

candidacy for the degree of bachelor of science in medical technology at Eastern. Certification examination information will be given during the clinical training.

PRE-PHYSICIAN ASSISTANT

Admission requirements for physician assistant programs vary from school to school. Interested students should make early contact with the schools of their choice for specific admission requirements. Commonly, students must have 60 semester hours which include the following:

- General Biology (4 hours)
- General Chemistry (8 hours)
- Human Anatomy and Physiology (8 hours)
- General Psychology (3 hours)
- College Algebra (3 hours)
- English Composition (3 hours)
- Expository or Technical Writing (3 hours)
- A cross cultural course (3 hours)
- Anthropology or Sociology (3 hours)
- Humanities (Literature, History, or Philosophy) (6 hours)
- Two multicultural courses (6 hours)

Contact the prospective program and the Allied Health Sciences Advisory Committee Office, Roosevelt Hall, Room 111.

PRE-MEDICINE

Pre-medical students often take an undergraduate major in either chemistry or biology with a strong minor in the other field. Students with other majors may be admitted to medical schools if they evidence superior ability and achievement in the natural sciences.

Pre-medical requirements for admission to medical school, including osteopathic medicine, vary. A summary of minimum requirements of medical schools is given in the publication "Medical School Admissions Requirements, U.S.A. and Canada," published by the Association of American Medical Colleges. The information is available in the Allied Health Sciences Committee Office, Roosevelt Hall, Room 111.

In general, entrance requirements to medical schools include the following:

- Evidence of academic ability and achievement.
- Evidence of character, attitude, and interests suitable for a career in medicine.
- Completion of the Medical College Admission Test (MCAT) of the Association of American Medical Colleges.
- Completion of at least 90 semester hours of college courses in an accredited college or university (a bachelor's degree is recommended) which usually includes the following:
 - General chemistry (including laboratory, one year)
 - Organic chemistry (including laboratory, one year)
 - General biology or zoology (including laboratory, one year)
 - General physics (including laboratory, one year)
 - College mathematics, one year (calculus is recommended)
 A course in biochemistry is strongly recommended, but not required. Other science courses that the student may find helpful in preparing for medical school include genetics, cell physiology, anatomy and physiology and computer science.

Prospective medical students should become acquainted as early as possible with entrance requirements of particular medical schools of interest. A course of study may then be built around requirements of the schools. The Medical College Admissions Test is offered each fall and spring at pre-medical college centers. It is recommended that this test be taken in the spring of the junior year.

Details of the admission test and other information pertaining to the pre-medical program may be obtained from the Allied Health Sciences Advisory Committee Office, Roosevelt Hall, Room 111.

PRE-DENTISTRY

The Council on Dental Education of the American Dental Association fixes as a minimum basis for admission to an approved dental school the successful completion of two full years of academic work in an accredited college of liberal arts and sciences including the following minimum credit hours:

English (6 hours)

Biological sciences (8-12 hours)

General chemistry (8 hours)

Organic chemistry (4 hours)

Physics (8 hours)

Pre-dental students are advised to take an undergraduate major in either biology or chemistry with a strong minor in the other field if they desire to earn a bachelor of science degree prior to admission to dental school. Most dental schools require a minimum of three years for admission unless the applicant is exceptionally well qualified.

All applicants for admission to a school of dentistry are required to take the Dental Aptitude Test, which is given three times a year through the Council on Dental Education of the American Dental Association. It is advised that the candidate complete the Dental Aptitude Test at the earliest possible date within the year preceding that which he/she wishes to begin dental studies.

For information relating to any phase of this program, consult the Allied Health Sciences Advisory Committee Office, Roosevelt Hall, Room 111.

PRE-PHARMACY

Most colleges of pharmacy require one year of college academic credit as a minimum for entrance. Normally a student transfers to a college of pharmacy at the completion of the freshman year. However, many colleges of pharmacy have a five-year program; students entering such programs could profitably spend two years on a pre-pharmacy curriculum. In order to obtain a bachelor of science degree in pharmacy in minimum time, the first year (or two year) program must correlate closely with the program recommended by the colleges of pharmacy. The pre-pharmacy program consists of two years (65 semester hours):

English (6 hours)

General biology (4 hours)

Microbiology (4 hours)

General chemistry (8 hours)

Organic Chemistry (8 hours)

Human Anatomy and Physiology (8 hours)

(Cadaver Lab required)

Calculus I and II (8 hours)

Statistics (3 hours)

Microeconomics (3 hours)

Computer Literacy (3 hours)

Electives = History, Psychology, etc. (6 hours)

Other pharmacy schools may have different pre-professional requirements. For further information contact the prospective school and the Allied Health Sciences Advisory Committee Office, Roosevelt Hall, Room 111.

PRE-PHYSICAL THERAPY

Admission requirements for physical therapy programs vary from school to school. Interested students should make early contact with the schools of their choice for specific admission requirements. In general, two years of pre-physical therapy studies are required and should include the following:

Language and Communication (6 hours)

General biology (8 hours including laboratory)

General chemistry (8 hours including laboratory)

Organic chemistry (4 hours including laboratory)

General physics (8 hours including laboratory)

Psychology (9 hours)

Further information may be obtained from the Allied Health Sciences Advisory Committee Office, Roosevelt Hall, Room 111.

PRE-VETERINARY MEDICINE

Students pursuing a curriculum leading to a degree in veterinary medicine should follow a curriculum similar to that for pre-medicine. Courses in animal science, comparative vertebrate anatomy, animal physiology and biochemistry are of particular importance. On-hand or practical experience in a veterinary clinic is often desirable. New Mexico has established contractual agreements with certain schools of veterinary medicine which permit competitive placement of a number of New Mexico residents each year.

For further information, consult the Allied Health Sciences Advisory Committee Office, Roosevelt Hall, Room 111.

OTHER HEALTH SCIENCE PROGRAMS

The Allied Health Sciences Advisory Committee will arrange a suitable course of study for any student wishing to pursue pre-professional, pre-clinical training in other Health Science programs such as optometry and chiropractic.

COMMUNICATIVE DISORDERS

Associate

Professors: Phillip Million
Linda Weems

Assistant

Professor: Suzanne House

The Bachelor of Science degree in Communicative Disorders (CDIS) provides pre-professional instruction in the normal and disordered processes of speech, language, and hearing. The degree may lead to careers in speech-language pathology, speech science, audiology, deaf education, or other related areas. The Bachelor's degree is pre-professional in that a Master's degree is required as part of the minimum requirements to serve as a Speech-Language Pathologist or Audiologist in virtually all public school, medical, or other private settings. Speech-Language Pathologists and Audiologists work with a variety of ages (i.e., birth through the elderly), clients with various disorders (e.g., language, articulation, fluency, voice, and hearing disorders), and in a wide range of settings (e.g., public schools, preschools, private clinics, hospitals, rehabilitation centers, private practice).

The Bachelor of Science degree in Communicative Disorders does not assure one of entrance into a graduate program, either at ENMU or elsewhere. Students are strongly encouraged to maintain high levels of academic performance throughout their undergraduate program in order to increase their chances of being accepted into a graduate program.

For all 300 level CDIS courses, a student must be at least junior status with an overall undergraduate GPA of at least 2.75. For all 400 level CDIS courses, a student must be at least senior status with an overall undergraduate GPA of at least 3.0. Descriptions of the CDIS courses begin on page 115.

DEGREE: Bachelor of Science (BS)

MAJOR: Communicative Disorders

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

2. General Education Requirements (46-50 hours), see page 30.

Must include:

BIOL 209/209L Anatomy and Physiology I (4), **OR**

BIOL 210/210L Anatomy and Physiology II (4)

STAT 213 Statistical Methods I (4)

PHYS 113/113L Survey of Physics (4), **OR**

PHYS 151/151L General Physics (4)

The Distribution Requirements must include at least two of the following:

CHEM 113/113L Chemistry for Today (4), **OR**

CHEM 151/151L General Chemistry I (4), **OR**

BIOL 209/209L Human Anatomy and Physiology I (4), (if not taken to satisfy the life science general education requirement) **OR**

BIOL 210/210L Anatomy and Physiology (4), (if not taken to satisfy the life science general education requirement), **OR**

BIOL 231 Genetics (3), **OR**

PSY 467 Physiological Psychology (3), **OR**

MATH Additional coursework beyond the minimum six hours of general education required for the major.

3. Communicative Disorders Course Requirements (41 hours)

CDIS 143 Introduction to Communicative Disorders (3)

CDIS 250 Speech and Language Development (3)

CDIS 252 Phonetics (3)

CDIS 300 Speech-Language Anatomy and Physiology (3)

CDIS 302 Hearing/Vestibular Anatomy and Physiology (3)

CDIS 311 Articulation Disorders (3)

CDIS	332	Language Disorders in Children (3)
CDIS	342	Basic Audiology (3)
CDIS	342L	Basic Audiology Laboratory (1)
CDIS	400	Speech Science (3)
CDIS	421	Neuroanatomy of Speech and Language (3)
CDIS	424	Language Assessment (3)
CDIS	434	Aural Rehabilitation (3)
CDIS	443	Clinical Management (3)
CDIS	444	Clinical Apprenticeship (1), OR
CDIS	445	Honors Practicum (1)

4. Electives (34-38 hours) Approval of advisor.

NOTE: Student must complete a minor as a requirement of the Bachelor of Science. The minor must be in psychology, biology, or an area approved by the student's advisor.

SUGGESTED PROGRAM OF STUDY IN COMMUNICATIVE DISORDERS

Below is a suggested sequence of courses for the major listed. *This is not an official degree plan.* For specific information, see advisor.

Freshman Year			
Courses		Credit	Hours
		Fall	Spring
CDIS 143	Introduction to Communicative Disorders	3	or 3
PHYS 113	Survey of Physics, OR		
PHYS 151	General Physics	0	3
PHYS 113L	Survey of Physics Laboratory, OR		
PHYS 151L	General Physics Laboratory	0	1
	General Education Electives	13-16	9-12
		16	16

Sophomore Year			
Courses		Credit	Hours
		Fall	Spring
CDIS 250	Speech and Language Development	3	0
CDIS 252	Phonetics	0	3
BIOL 211	Human Anatomy, OR		
BIOL 212	Human Physiology	3	0
BIOL 211L	Human Anatomy Laboratory, OR		
BIOL 212L	Human Physiology Laboratory	1	0
STAT 213	Statistical Methods	0	4
	General Education Electives	9	9
		16	16

Junior Year			
Courses		Credit	Hours
		Fall	Spring
CDIS 300	Speech-Language Anatomy and Physiology	3	0
CDIS 302	Hearing/Vestibular Anatomy and Physiology	3	0
CDIS 311	Articulation Disorders	0	3
CDIS 332	Language Disorders in Children	0	3
CDIS 342	Basic Audiology	0	3
CDIS 342L	Basic Audiology Laboratory	0	1
	General Education Electives	10	6
		16	16

Senior Year			
Courses		Credit	Hours
		Fall	Spring
CDIS 400	Speech Science	3	0
CDIS 421	Neuroanatomy of Speech and Language	0	3
CDIS 424	Language Assessment	3	0
CDIS 434	Aural Rehabilitation	3	0
CDIS 443	Clinical Management	3	0
CDIS 444	Clinical Apprenticeship, OR		
CDIS 445	Honors Practicum	0	1
	Minor and electives	4	12
		16	16

NURSING

Associate Professor: Ellen E. Bral
Instructor: Lorraine Goodrich
Adjunct Clinical Instructor: Janice Jordan

MISSION STATEMENT

The Bachelor of Science in Nursing Completion Program of Eastern New Mexico University:

- Prepares professionally educated nurses for careers in health care; and
- Provides students with a strong foundation for leadership and for graduate study in nursing.

PHILOSOPHY

Central to the Nursing Department's philosophy are the beliefs and values which faculty hold about Nursing's Domain Concepts - those theoretical constructs which identify the parameters of our professional practice: Person, Health, Environment, and Nurse/Nursing. These concepts are at the core of the humanistic, intellectual and ethical values that inform baccalaureate Nursing Education. Our philosophy also expresses our commitment to the values inherent in the mission and philosophy of Eastern New Mexico University, of which the Nursing Department is an integral part.

As Nursing Department faculty, we define "Person" as an individual human being of intrinsic worth - and, by extension - a family or community that becomes the focus of Nursing whenever a potential or actual health care need exists. We view "Health" as a unity of the whole person - body, mind, and spirit; a harmony that includes physical, social, aesthetic, and moral realms. Our concept of "Environment" is that of a dynamic reality within and around us, which affects us and is affected by us; the health care system is that aspect of the environment through which nursing care is delivered. We consider the distinctive function of the "Nurse" to be knowledgeable caring: Using the scientific approach to improve nursing practice, contributing to the health and independence of persons whenever possible, and supporting them to die in peace and with dignity when death is inevitable.

As Nursing Department faculty, we hold ourselves accountable for the quality of our educational program, and for promoting safe and effective Nursing practice. We are responsible for doing this through our teaching, service, and scholarship, and by collaborating with health care professionals and consumers of health care. As a constituent unit of Eastern New Mexico University, the Nursing Department shares the university's commitment to liberal learning, freedom of inquiry, and cultural diversity.

PROGRAM OUTCOMES/OBJECTIVES

The aims of the BSN-Completion program are consistent with its philosophy and with the objectives of general education. Students who successfully matriculate in the program will be able to do the following at the nurse-generalist level:

1. Use the nursing process to meet health care needs of people in various settings;
2. Incorporate concepts from nursing theories, the sciences and the humanities into nursing practice;
3. Use methods of scientific inquiry in clinical practice to improve/assure health care;
4. Integrate basic cultural competencies into nursing practice;
5. Collaborate with consumers and with other health care professionals to plan and deliver health care;
6. Initiate/participate in planned change to improve health care services;
7. Use critical thinking skills to analyze innovative nursing roles that meet changing needs for health care;

8. Use management and leadership theories in clinical practice; and
9. Accept personal accountability for ethical nursing practice as well as ongoing personal and professional development.

ADMISSIONS

All students must fulfill requirements for admission to the university and to the department. Nursing courses are open only to persons who have met these requirements.

Departmental Requirements

- Associate Degree in Nursing from a nationally accredited program or diploma in Nursing from a state board-approved program;
- Active RN licensure;
- Grades of "C" or higher in all prerequisite science courses;
- Grades of "C" or higher in all Nursing courses;
- Submission of completed application forms to the university and to the department; and
- Three current letters of recommendation, including an assessment of clinical skills from a registered nurse.

Departmental Recommendation

- Minimum of one year clinical practice as an RN.
- Prior to beginning their Nursing courses, prospective students must schedule an Admission Interview with the Nursing Department faculty.

Process

- Submit completed required documents to university Admissions.
- Submit letter requesting admission to the Nursing Department and required forms to: Chair, Nursing Department.
- Students are required to take the California Critical Thinking Skills Tests before enrolling in Nursing Composite courses. Individual scores are not used to determine admissions but are aggregated and used for curricular development.

DEGREE: Bachelor of Science in Nursing (BSN)

MAJOR: Nursing Composite

1. Bachelor's Degree Requirements as outlined on page 28.

Includes:

UNIV 101 Freshman Seminar (3)

2. General Education Requirements

Must include:

ENG	102	English Composition (3)
ENG	104	English Composition and Research (3)
COMM	101	Interpersonal Communication (3), OR
COMM	102	Public Speaking (3)
BIOL	214/214L	Microbiology (4)
CHEM	151/151L	General Chemistry I (4)
PSY	101	Introductory Psychology (3)
PHIL	211	Ethics (3)
STAT	213	Statistical Methods I (4)

Lower Division Course in Human Growth and Development (3)

Lower Division Course in Human Nutrition (1-3)

3. Nursing Core Courses (36-40 hours)

Students must transfer, from their technical nursing program, between 36-40 credit hours in the core areas of medical-surgical, pediatric, obstetric, and psychiatric nursing. The Nursing Department Chair is responsible for reviewing each student's transcript from the technical nursing program to ensure the course work met clinical requirements for licensure as determined by state boards of nursing.

Since the inception of the program, Nursing Department faculty agreed to accept these credits, recognizing that each student had verified knowledge of core content by passing the national nursing licensure examination and by continuing work experience as a registered nurse in New Mexico and other states. Once a student is admitted to the BSN Completion Program and successfully completes Professional Basis for Practice (NURS 330), ENMU accepts the student's core courses *as if* they had been earned at the senior college level and counts these courses toward the BSN degree.

4. Additional Provisions

A. The Nursing Department requires a minimum of two-thirds of the upper division hours (26 credit hours) required for the BSN be earned at ENMU.

B. Students must earn a grade of "C" or better in all nursing courses to matriculate in the program. Students are allowed to repeat required nursing courses once in order to successfully achieve the grade of "C" or better in an individual course.

C. Prior to enrolling in clinical or laboratory courses (NURS 360, 415, 425, and select NURS 493 courses), students must show evidence of:

- i. immunity to rubella and Hepatitis B;
- ii. freedom from active tuberculosis;
- iii. current CPR certification; and
- iv. professional liability insurance.

D. Students must take Nursing courses in their numerical sequence, which reflects progressive development of core content.

5. Nursing Course Requirements (39 hours)

Students must take Nursing courses in their numerical sequence, which reflects progressive development of core content. NURS 305 must be taken during the student's first semester in the program.

NURS	300	Nursing Issues and Trends (3)
NURS	305	BSN Basics (1)
NURS	320	Pathophysiology in Nursing (3)
NURS	330	Professional Bases for Practice (4)
NURS	340	Nursing Theory (3)
NURS	350	Transcultural Nursing (3)
NURS	360	Health Assessment (4)
NURS	400	Nursing Research and Informatics (3)
NURS	405	Health Policy (3)
NURS	415	Community Health Nursing (6)
NURS	425	Nursing Leadership (6)

6. Required courses in related areas (8 hours)

BIOL	209/209L	Human Anatomy and Physiology I (4)
BIOL	210/210L	Human Anatomy and Physiology II (4)

7. Related area: upper division elective (1-3)

Credit Hour Summary

General Education Requirements:	46-50 hours
Core Nursing Courses:	36-40 hours
BSN Course Requirements:	39 hours
Related Areas Requirements:	1 hour
TOTAL HOURS	133-139 hours

DEPARTMENT OF ANTHROPOLOGY AND APPLIED ARCHAEOLOGY

Professors:	Everett L. Frost Janet O. Frost Phillip H. Shelley
Associate Professors:	Stephen R. Durand John L. Montgomery
Assistant Professor:	Kathy Roler Durand
Adjunct Assistant Professors:	David C. Batten

ANTHROPOLOGY

Anthropology, the study of humanity, past and present, is divided into four subdivisions: (1) archaeology, the study of past cultures; (2) physical anthropology, the study of the biological structure; (3) ethnology, the cross-cultural study of today's societies; and (4) linguistics, the study of human communication as one important aspect of peoples and culture. Utilizing these many viewpoints, the discipline brings together various studies of peoples into a meaningful whole. Because of this orientation, anthropology is steadily growing in importance in education, industry, business, national and international government service.

Instruction is supplemented by an anthropological research division known as the Agency for Conservation Archaeology and anthropological museums: the Blackwater Draw Museum, the Miles Anthropological Museum, and the Blackwater Draw National Historical Landmark archaeological site.

Research plays an important part in the department. Heavy emphasis is placed upon pre-Columbian Native American archaeological studies and Southwestern United States. The University's location provides a unique vantage point to study America's earliest prehistoric cultures. All faculty members of the department are involved in research on a national and/or international basis.

The Department offers a Bachelor of Arts Degree, a Bachelor of Science Degree, and a Social Studies major which leads to a BA or BS with secondary licensure to teach. The 36-hour Social Studies major will prepare a student for endorsement in general social studies.

The faculty are involved in both qualitative and quantitative research within their disciplines covering many fields; some of those areas of research include archaeology, lithic technology, physical anthropology, historic preservation, and cultural resource management. Descriptions for ANTH courses begin on page 105.

Geography

At ENMU, Geography courses are offered as service courses to the General Education program and those majors requiring or recommending its use. Descriptions for GEOG courses begin on page 126.

DEGREE: Bachelor of Arts (BA)
or Bachelor of Science (BS)
MAJOR: Anthropology

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

NOTE: BA candidates must satisfy language requirement (6-14 hours).

2. General Education Requirements (46-50 hours), see page 30.

3. Anthropology Course Requirements (36 hours)

ANTH 243 Introduction to Cultural Anthropology (3)

ANTH 245/L Introduction to Archaeology (4)

ANTH 301 Humans and Primates:

Evolution & Variation (3)

ANTH 492 History of Anthropology (3)

ANTH 495 Fundamentals of Archaeological

Theory (3)

20 hours of Anthropology electives

4. Electives (28-43 hours)

NOTE: Student must complete a minor of at least 15 hours as a requirement of the Bachelor of Arts or Bachelor of Science.

MINOR: Anthropology

1. General Education Requirements, see page 30.

2. Anthropology Course Requirements (22 hours)

ANTH 243 Introduction to Cultural Anthropology (3)

ANTH 245/L Introduction to Archaeology (4)

ANTH 301 Humans and Primates:

Evolution & Variation (3)

12 hours upper division ANTH Electives.

DEPARTMENT OF BIOLOGY

Associate

Professor: Marvin M. F. Lutnesky

Assistant

Professors: Jennifer K. Frey
Zhiming Liu
Manuel F. Varela
Nicholas J. D. Wright

BIOLOGY

Students may major in biology in a broad sense (selecting electives from course offerings in biology, botany, cellular/molecular biology, microbiology, or zoology), or they may major in biology with an emphasis in botany, cellular/molecular biology, microbiology, or zoology. Students may follow the specialized curriculum for the wildlife and fisheries sciences major. Teaching degrees with a secondary licensure are also available.

Also in the sciences is an interdisciplinary organization which offers programs in the allied health sciences. These programs include a Bachelor of Science in Medical Technology and several pre-professional, pre-clinical programs. Students are referred to the section on page 66 for Allied Health Sciences in this catalog for details on these programs.

The Biology faculty strongly recommends the chemistry requirements 4a or 4b rather than 4c listed under the title "MAJOR: Biology." The 4c option is not recommended for individuals seeking professional academic training (graduate, medical, dental, and veterinarian school) beyond the bachelor's degree in biology. Students who want to teach secondary school science in New Mexico may obtain a Bachelor of Science degree in Biology with a minor in Teaching of Natural Sciences to obtain a secondary science licensure. Students should check teacher education requirements and secondary science licensure requirements on pages 40-42. Descriptions of BIOL courses begin on page 108.

CORE, EMPHASIS, AND ELECTIVE CURRICULA IN BIOLOGY (48-53 HOURS)

1. Biology Core Course Requirements (22 hours):

BIOL	151/151L	General Biology I (4)
BIOL	152/152L	General Biology II (4)
BIOL	214/214L	Microbiology (4)
BIOL	222	Introductory Cell Biology (3)
BIOL	231	Genetics (3)
BIOL	303/303L	General Ecology (3)
BIOL	492	Undergraduate Seminar (1)

2. Emphasis Course Requirements (17-23 hours)

Select one of the following emphases:

A. *General Biology* - A minimum of 21 credit hours in consultation with the academic advisor.

B. *Botany*

BIOL	216	General Botany (3)
BIOL	303L	General Ecology Lab (1)
BIOL	410/410L	Plant Systematics (4)
BIOL	415/415L	Plant Physiological Ecology (4)
BIOL	420/420L	Plant Structure and Function (4)
BIOL	462	Evolution (3)

Plus one course from Zoology Electives List (3-4)

C. *Cellular/Molecular*

BIOL	370	Advanced Cell Biology (3)
BIOL	380	Endocrinology (3)
BIOL	409/409L	Microbial Physiology (4)
BIOL	425/425L	Molecular Biology (4)
BIOL	427/427L	Developmental Biology (4)

D. *Microbiology*

BIOL	370	Advanced Cell Biology (3)
BIOL	409/409L	Microbial Physiology (4)
BIOL	421/421L	Principles of Immunology (4)
BIOL	422/422L	Medical Microbiology (4), OR
BIOL	425/425L	Molecular Biology (4)
BIOL	427/427L	Developmental Biology (4)
BIOL	450/450L	Virology (4)

E. *Pre-Medical*

BIOL	209/209L	Anatomy & Physiology I (4)
BIOL	210/210L	Anatomy & Physiology II (4)
BIOL	380	Endocrinology (3)
BIOL	421/421L	Principles of Immunology (4), OR
BIOL	422/422L	Medical Microbiology (4)
BIOL	424/424L	Advanced Human Physiology (4)

F. *Zoology*

BIOL	216	General Botany (3)
BIOL	300/300L	Invertebrate Zoology (4)
BIOL	303L	General Ecology Lab (1)
BIOL	462	Evolution (3)

Plus two courses from Zoology Electives List (7 - 8)

Zoology Electives List

BIOL	301/301L	General Entomology (4)
BIOL	307/307L	Vertebrate Zoology (4)
BIOL	341/341L	Parasitology (4)
BIOL	411/411L	Herpetology (4)
BIOL	418	Medical Entomology (3)
BIOL	430/430L	Limnology & Freshwater Biology (4)
BIOL	431/431L	Mammalogy (4)
BIOL	436/436L	Ichthyology (4)
BIOL	442/442L	Ornithology (4)

3. Elective Course Requirements (5-8 hours)

A minimum of eight upper division credit hours in consultation with the academic advisor.

DEGREE: Bachelor of Arts (BA) or Bachelor of Science (BS)

MAJOR: Biology

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV	101	Freshman Seminar (3)
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NOTE: BA candidates must satisfy a language requirement (6-14 hours).

NOTE: Students must complete a minor of at least 15 hours as a requirement of the Bachelor of Arts or Bachelor of Science.

2. General Education Requirements (46-50 hours), see page 30.

3. Core, Emphasis, and Elective Curricula in Biology (48-53 hours), see page 72.

4. Required courses in other areas (12-16 hours)

CHEM	151/151L	General Chemistry I (4)
CHEM	152/152L	General Chemistry II (4)

One of the following options (4-8 hours):

- CHEM 341/341L Organic Chemistry I (4)
CHEM 342/342L Organic Chemistry II (4)
- CHEM 233/233L Quantitative Analysis (4)
CHEM 341/341L Organic Chemistry I (4)
- CHEM 251/251L Integrated Organic and Biochemistry (4)

MINOR: Biology (18-19 hours)

BIOL	151/151L	General Biology I (4)
BIOL	152/152L	General Biology II (4)
BIOL	222	Introductory Cell Biology (3), OR
BIOL	214/214L	Microbiology (4)
BIOL	231	Genetics (3)
BIOL	303/303L	General Ecology (4)

DEGREE: Bachelor of Science (BS)
MAJOR: Wildlife and Fisheries Sciences

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

2. General Education Requirements (46-50 hours), see page 30.

NOTE: Choices from this degree program include 36 hours of the 53 hours general education requirements. General education choices are indicated with an asterisk.

3. Minor

Students must complete a minor of at least 15 hours as a requirement of the Bachelor of Science.

4. Required courses (important: consult with your advisor about certification requirements for The Wildlife Society and the American Fisheries Society):

a. Biological Sciences (37 hours).

Any one course counts towards 3 hours of general education requirements in category II; any additional course counts towards 3 hours of general education distribution requirements.]

BIOL 110	Introduction to Wildlife and Fisheries Sciences (3)
BIOL 151/151L	General Biology I (4)
BIOL 152/152L	General Biology II (4)
BIOL 216	General Botany (3)
BIOL 231	Genetics (3)
BIOL 303/303L	General Ecology (4)
BIOL 404/404L	Fisheries Management (4)
BIOL 405/405L	Wildlife Management (4)
BIOL 436/436L	Ichthyology (4)

Choose one of the following:

BIOL 431/431L Mammalogy (4)

BIOL 442/442L Ornithology (4)

b. Physical Sciences (15 hours)

Any one course from GEOL, CHEM, or PHYS counts toward 3 hours of general education requirements in category II]

NOTE: Students wishing to pursue a graduate degree should take at least one general chemistry and one general physics course.

Choose 15 credit hours from at least two groups:

Geology

GEOL 123/123L	Earth Resources (3-4)
GEOL 151/151L	Physical Geology (4)
GEOL 152/152L	Historical Geology (4)

Soils

AG 204/204L	Soils (4)
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Chemistry

CHEM 151/151L	General Chemistry I (4)
CHEM 152/152L	General Chemistry II (4)
CHEM 251/251L	Integrated Organic and Biochemistry (4)
CHEM 341/341L	Organic Chemistry I (4)
CHEM 342/342L	Organic Chemistry II (4)

Physics

PHYS 141/141L	Astronomy (4)
PHYS 151/151L	General Physics (4)
PHYS 152/152L	General Physics (4)
PHYS 201/201L	Physics I (5)
PHYS 202/202L	Physics II (5)

c. Quantitative Sciences (10 hours) [*Any two asterisked courses count toward 6 hours of general education requirements in category III; any additional course counts towards 3 hours of general education distribution requirements.]

MATH 110	College Algebra (3)*
STAT 213	Statistical Methods I (4)*

Choose one of the following:

MATH 124	Calculus I (4)*
STAT 313	Statistical Methods II (3)
STAT 314	Nonparametric Methods (3)
STAT 315	Survey Sampling Methods (3)
STAT 432	Statistical Packages (3)

d. Humanities and Social Sciences (9 hours)

Select three of the following courses from general education categories IV and V. Your selection must include at least one course from Category IV, no more than two courses from a single area in Category IV and no more than one foreign language course from Category V. The three courses will count towards 9 hours of general education requirements in category IV and/or V.]

Category IV: Exploring Human Social Behavior

Economics

ECON 221	Principles of Macro Economics (3)
ECON 222	Principles of Micro Economics (3)

History

HIST 101	Survey of American History to 1877 (3)
HIST 102	Survey of American History Since 1877 (3)
HIST 121	Survey of Western Civilization (3)
HIST 122	Survey of Western Civilization (3)
HIST 203	New Mexico (3)

Political Science

PSCI 101	Introduction to Political Science (3)
PSCI 102	American National Government (3)

Psychology

PSY 101	Introductory Psychology (3)
PSY 134	Psychology of Adjustment (3)

Sociology

SOC 101	Introductory Sociology (3)
SOC 212	Contemporary Social Issues (3)

Category V: Appreciating the Humanities

Humanities

HUM 221	Introduction to World Humanities (3)
HUM 222	Intro. to Modern World Humanities (3)

Literature

ENG 201	Types of Literature (3)
ENG 211	Introduction to Literature (3)
ENG 221	British Literature Survey I (3)
ENG 222	British Literature Survey II (3)

Foreign Language

FR 101	Beginning French (4)
FR 102	Continuation of Beginning French (4)
FR 201	Intermediate French (3)
FR 202	Continuation of Intermediate French (3)
SPAN 101	Beginning Spanish (4)
SPAN 102	Continuation of Beginning Spanish (4)
SPAN 201	Intermediate Spanish (3)
SPAN 202	Continuation of Intermediate Spanish (3)

e. Communication (12 hours) [*9 hours from the asterisked courses count toward general education requirements.]

Choose one from the following:

ENG 102	English Composition (3)*
ENG 108	English Composition (honors) (3)*

Choose one of the following:

ENG 104	English Composition and Research (3)*
ENG 109	Composition and Research (honors) (3)*

Choose one of the following:

COMM 101/101L	Interpersonal Communication (3)*
COMM 102	Public Speaking (3)*
COMM 202	Dynamics of Group Behavior (3)*

Choose one of the following:

COMM	any additional course (3)
ENG 325	Professional and Technical Writing (3)
ENG 335	Creative Writing (3)
ENG 410	English Grammar (3)

ENG 415 Expository Writing (3)
ENG 416 Report Writing (3)

f. Policy, Administration, Law, Human Dimensions (6 hours)

Choose two of the following:

CJ 102 Introduction to Criminal Justice (3)
PSCI 321 Public Policy Process (3)
PSCI 332 Public Administration (3)
PSCI 405 Issues in Public Administration (3)
PSCI 410 Public Policy Issues (3)
SOC/CJ 432 Police and Society (3)

g. Electives (12 additional hours in Biology)

Choose at least one botanical and one zoological course with the approval of your advisor; recommended courses include:

BIOL 300/300L Invertebrate Zoology (4)
BIOL 301/301L General Entomology (4)
BIOL 307/307L Vertebrate Zoology (4)
BIOL 341/341L Parasitology (4)
BIOL 410/410L Plant Systematics (4)
BIOL 411/411L Herpetology (4)
BIOL 415/415L Plant Physiological Ecology (4)
BIOL 420/420L Plant Structure and Function (4)
BIOL 430/430L Limnology and Freshwater Biology (4)
BIOL 462 Evolution (3)

In addition, the following are recommended for students wishing to pursue a graduate degree:

BIOL 222 Introductory Cell Biology (3)

MINOR: Wildlife and Fisheries Sciences (25 hours)

BIOL 110 Introduction to Wildlife & Fisheries Sciences (3)
BIOL 151/151L General Biology I (4)
BIOL 152/152L General Biology II (4)
BIOL 231 Genetics (3)
BIOL 303/303L General Ecology (4)

Applied Wildlife/Fisheries Course Requirement* (4 hours):

Choose one of the following:

BIOL 404/404L Fisheries Management (4)
BIOL 405/405L Wildlife Management (4)

Electives * (3 hours):

Select one of the following with advisor's approval:

BIOL 411/411L Herpetology (4)
BIOL 431/431L Mammalogy (4)
BIOL 436/436L Ichthyology (4)
BIOL 442/442L Ornithology (4)

*Some courses may have prerequisites.

DEGREE: Bachelor of Science (BS)

MAJOR: Biology

LICENSURE: Secondary Science

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

2. Teaching Degree General Education Requirements (55-56 hours), see page 42.

Fulfill the 12 hr. Science requirement by taking the following:

GEOL 151/151L Physical Geology (4)
GEOL 152/152L Historical Geology (4)
PHYS 151/151L General Physics (4)

Fulfill the 6 hr. Math requirement by taking the following:

MATH 110 College Algebra (3)
STAT 213 Statistical Methods I (4)

3. Professional Education Requirements (27 hours), see page 43.

4. Teaching Field Block (35-37 hours)

BIOL 151/151L General Biology I (4)
BIOL 152/152L General Biology II (4)
BIOL 209/209L Anatomy & Physiology I (4)

BIOL 210/210L Anatomy & Physiology II (4)
BIOL 214/214L Microbiology (4)
BIOL 231 Genetics (3)

Choose one course from each of the four areas:

a. Molecular

BIOL 409/409L Microbial Physiology (4)
BIOL 425/425L Molecular Biology (4)

b. Morphology and Physiology

BIOL 307/307L Vertebrate Zoology (4)
BIOL 415/415L Physiological Ecology (4)
BIOL 420/420L Plant Structure and Function (4)

c. Organismic

BIOL 216 General Botany (3)
BIOL 214/214L Microbiology (4)
BIOL 301/301L General Entomology (4)
BIOL 431/431L Mammalogy (4)
BIOL 436/436L Ichthyology (4)
BIOL 442/442L Ornithology (4)

d. Ecology

BIOL 110 Introduction to Wildlife and Fisheries Sciences (3)
BIOL 303/303L General Ecology (4)
BIOL 415/415L Plant Physiological Ecology (4)
BIOL 430/430L Limnology & Freshwater Biology (4)
BIOL 462 Evolution (3)

5. Required Minor (23 hours)

Teaching of Natural Science, course requirements for Biology, see page below.

MINOR: Teaching of Natural Science

(To be used with Secondary Science Licensure Biology major.)

1. Teaching Requirements (10 hours)

BIOL 439 Teaching in Biology (1)
CHEM 439 Teaching in Chemistry (1)
GEOL 439 Teaching in Geology (1)
PHYS 439 Teaching in Physics (1)
SED 380 Secondary School Teaching/Learning (3)
SED 410 Issues in Secondary Teaching (3)

2. Additional Science Courses (12 hours)

CHEM 151/151L General Chemistry I (4)
CHEM 152/152L General Chemistry II (4)
PHYS 152/152L General Physics (4)

SUBJECT MATTER ENDORSEMENT

AREA/MINOR: General Science

LICENSURE: Elementary

1. Required Courses (16 hours)

BIOL 113/113L Biology for General Education (4)
CHEM 113/113L Chemistry for Today (4)
GEOL 113/113L The Geological Environment (4)
PHYS 113/113L Survey of Physics (4)

2. Electives (8 hours)

Choose courses from Biology or Physical Sciences. The following courses are recommended:

BIOL 151/151L General Biology I (4)
BIOL 152/152L General Biology II (4)
BIOL 214/214L Microbiology (4)
CHEM 151/151L General Chemistry I (4)
CHEM 152/152L General Chemistry II (4)
GEOL 151/151L Physical Geology (4)
GEOL 152/152L Historical Geology (4)
GEOL 410 Environmental Geology (3)
GEOL 482 Geology of New Mexico (2)
GEOL 484 Geology of Western National Parks (3)
PHYS 141/141L Astronomy (4)

DEPARTMENT OF COMMUNICATIVE ARTS AND SCIENCES

Professors: Anthony Schroeder
Associate Professors: Janet Roehl
 Lee Scanlon

The Department of Communicative Arts and Science offers study in a variety of communication disciplines. Degree requirements are designed to give students professional training, technical expertise, and theoretical understanding.

Bachelor of Arts and Bachelor of Science degrees are offered in broadcast journalism, broadcast production, communication studies, journalism, public relations, and sports communication. The department also offers a Master of Arts in communication with an emphasis in mass communication or speech.

Unique hands-on educational opportunities are available to students. These include KENW-TV (PBS affiliate), KENW-FM (NPR affiliate), KZIA radio station (student operated), *The Chase* (student newspaper), *The Silver Pack* (student yearbook), *Hound Bytes* (student online magazine), and the intercollegiate debate and forensics programs.

The faculty of the Department of Communicative Arts & Science are involved in a variety of research within their disciplines. There are opportunities for students to work with faculty on research projects. Faculty members also provide consultative services.

MASS COMMUNICATION

Undergraduate students in mass communication may pursue a major emphasis in broadcast journalism, broadcast production, journalism, public relations, or sports communication. Minors are offered in telecommunication and journalism. Students receive instruction and experience in radio and television production, announcing, reporting, communication design, public relations, journalism, and online publishing.

The programs of study are designed to give students a core understanding of mass communication and focused study on areas of specialization. Practical experience is available through campus FM and AM radio/audio productions: KENW-TV television production and station operations, *The Chase*, *Hound Bytes*, and *Silver Pack*. Descriptions of COMM courses begin on page 113.

Students majoring in broadcast journalism and broadcast production may not minor in telecommunications, and journalism majors may not minor in journalism.

COMMUNICATION STUDIES

The undergraduate program in Communication Studies is designed to illustrate the importance of understanding the relationship communicative behaviors in interpersonal and public communication settings.

The curriculum is designed to provide instruction in the theory and application of rhetorical concepts, communication research, and basic applications to nonverbal communication, organizational, gender, family, and intercultural communication. The instructional focus is broad with a social-scientific orientation committed to the belief that many methodological approaches are appropriate to studying and building theoretical explanations of communication.

Students are encouraged to develop their performance skills by participating in intercollegiate debate and individual contest speaking. The activity is designed to develop critical thinking, reasoning, research skills and platform skills.

Mass Communication Core Requirements (16 hours)

COMM	201	Introduction to Mass Communication (3)
COMM	203/203L	News Writing (3)
COMM	300	Introduction to Communication Theory (3)
COMM	414	Mass Media Law (3)
COMM	415	Ethics in Public Communication (3)
COMM	498	Senior Seminar (1)

DEGREE: Bachelor of Arts (BA) or Bachelor of Science (BS)

MAJOR: Communication

EMPHASIS: Broadcast Journalism

1. Bachelor's Degree Requirements (128 hours), see page 28.

Includes:

UNIV	101	Freshman Seminar (3)
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2. General Education Requirements (46-50 hours), see page 30.

Must include:

COMM	102	Public Speaking (3)
PSCI	102	American National Government (3)

3. Mass Communication Core Requirements (16 hours)

4. Communication Emphasis Requirements (32 hours)

COMM	110/110L	Beginning Television Production (3)
COMM	220/220L	Intermediate Television Production (3)
COMM	223	Voice and Performance (3)
COMM	304	Reporting (3)
COMM	327	Broadcast Journalism (3)
COMM	403	Computer Assisted Reporting (3)
COMM	423	Radio Station Operations (3)
COMM	428	Media Management (3)

8 hours from the following

COMM	344	Mass Communication Workshop (2)
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5. COMM Electives (6 hours)

COMM	210/210L	Audio Production (3)
COMM	260	Public Relations (3)
COMM	301	Principles and Practices of Communication Research (3)
COMM	309	History of Electronic Media (3)
COMM	350	Media Advertising and Sales (3)
COMM	407	Sports Communication (3)
COMM	420	Documentary Field Production (3)
COMM	448	Telecommunication Systems Programming (3)
COMM	489	Communication Internship (1-3)

(May be taken for 3 hours as COMM elective)

6. Electives (21 hours)

NOTE: Student must complete a minor as a requirement of the Bachelor of Science or Bachelor of Arts.

DEGREE: Bachelor of Arts (BA) or Bachelor of Science (BS)

MAJOR: Communication

EMPHASIS: Broadcast Production

1. Bachelor's Degree Requirements (128 hours), see page 28.

Includes:

UNIV	101	Freshman Seminar (3)
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2. General Education Requirements (46-50 hours), see page 30.

Must include:

PSCI	102	American National Government (3)
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3. Mass Communication Core Requirements (16 hours)

4. Communication Emphasis Requirements (32 hours)

COMM	110/110L	Beginning Television Production (3)
COMM	210/210L	Audio Production (3)
COMM	220/220L	Intermediate Television Production (3)
COMM	302	Electronic News Gathering (3)
COMM	335	Script Writing for Electronic Media (3)
COMM	420	Documentary Field Production (3)
COMM	422/422L	Directing for Television (3)
COMM	448	Telecommunication Systems Programming (3)

8 hours from the following:

COMM 344 Mass Communication Workshop (2)

5. COMM Electives (6 hours) Select from the following:

COMM 301 Principles and Practices of Communication Research (3)

COMM 304 Reporting (3)

COMM 307 Public Relations Design (3)

COMM 309 History of Electronic Media (3)

COMM 350 Media Advertising and Sales (3)

COMM 407 Sports Communication (3)

COMM 423 Radio Station Operations (3)

COMM 428 Media Management (3)

COMM 455 Intercultural Communication (3)

COMM 489 Communication Internship (1-3)

(May be taken for 3 hours as a COMM elective)

6. Electives (21 hours)

NOTE: Student must complete a minor as a requirement of the Bachelor of Science or Bachelor of Arts.

DEGREE: Bachelor of Arts (BA) or Bachelor of Science (BS)

MAJOR: Communication

EMPHASIS: Journalism

1. Bachelor's Degree Requirements (128 hours), see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

2. General Education Requirements (46-50 hours), see page 30.

Must include:

PSCI 102 American National Government (3)

HIST 102 Survey of American History Since 1877 (3)

ART 210 Photography I (3)

3. Mass Communication Core Requirements (16 hours)

4. Communication Emphasis Requirements (30 hours)

COMM 304 Reporting (3)

COMM 305 Copy Editing (3)

COMM 306 Communication Design (3)

COMM 307 Public Relations Design (3)

COMM 334 Persuasive Communication (3)

COMM 402 Magazine Writing (3)

COMM 403 Computer Assisted Reporting (3)

COMM 405 Public Affairs Reporting (3)

COMM 412/412L Photojournalism (3)

COMM 489 Communication Internship (3)

4. COMM Electives (6 hours)

COMM 260 Public Relations (3)

COMM 301 Principles and Practices of Communication Research (3)

COMM 327 Broadcast Journalism (3)

COMM 350 Media Advertising and Sales (3)

COMM 407 Sports Communication (3)

COMM 428 Media Management (3)

COMM 455 Intercultural Communication (3)

COMM 489 Communication Internship (1-3)

(May be taken for 3 hrs as a COMM elective.)

5. Electives (23 hours)

NOTE: Student must complete a minor as a requirement of the Bachelor of Science or Bachelor of Arts.

DEGREE: Bachelor of Arts (BA) or Bachelor of Science (BS)

MAJOR: Communication

EMPHASIS: Public Relations

1. Bachelor's Degree Requirements (128 hours), see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

2. General Education Requirements (46-50 hours), see page 30.

Must include:

ART 210 Photography I (3)

CIS 151 Basic Computer Skills (3)

COMM 102 Public Speaking (3)

ECON 221 Principles of Macro Economics (3)

PSCI 102 American National Government (3)

3. Mass Communication Core Requirements (16 hours)

4. Communication Emphasis Requirements (42 hours)

COMM 110/110L Beginning Television Production (3)

COMM 260 Public Relations (3)

COMM 301 Principles & Practices of Communication Research (3)

COMM 303 Public Relations Techniques (3)

COMM 304 Reporting (3)

COMM 305 Copy Editing (3)

COMM 306 Communication Design (3)

COMM 307 Public Relations Design (3)

COMM 327 Broadcast Journalism (3)

COMM 334 Persuasive Communication (3)

COMM 402 Magazine Writing (3)

COMM 447 Organizational Communication (3)

COMM 456 Event Management (3)

COMM 460 Public Relations Cases and Campaigns (3)

5. Required Courses Outside Communication (9 hours)

CIS 241 Introduction to Web Development (3)

MKT 301 Principles of Marketing (3)

MKT 452 Integrated Marketing Communication (3)

6. Electives (8 hours) from the following or as approved by advisor

COMM 210/210L Audio Production (3)

COMM 350 Media Advertising and Sales (3)

COMM 403 Computer Assisted Reporting (3)

COMM 407 Sports Communication (3)

COMM 428 Media Management (3)

COMM 489 Communication Internship (1-3)

COMM 491 Directed Study (1-3)

DEGREE: Bachelor of Arts (BA) or Bachelor of Science (BS)

MAJOR: Communication

EMPHASIS: Speech Communication

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

NOTE: BA candidates must satisfy language requirement (6-14 hours).

2. General Education Requirements (46-50 hours), see page 30.

Must include:

COMM 101/101L Interpersonal Communication (3)

3. Communication Course Requirements (24 hours)

COMM 102 Public Speaking (3)

COMM 202 Dynamics of Group Behavior (3)

COMM 250 Techniques of Listening (3)

COMM 300 Introduction to Communication Theory (3)

COMM 301 Principles and Practices of Communication Research (3)

COMM 334 Persuasive Communication (3)

COMM 338 Intercollegiate Forensics (1)
(Must take 2 hours)

COMM 390 Rhetorical Theory (3)

COMM 498 Senior Seminar (1)

4. Communication Electives (15 hours)

COMM	355	Techniques of Job Interviewing (3)
COMM	370	Principles of Negotiation (3)
COMM	380	Nonverbal Communication (3)
COMM	475	Gender Communications (3)
COMM	477	Family Communications (3)
COMM	447	Organizational Communication (3)
COMM	455	Intercultural Communication (3)
COMM	470	Interpersonal Communicative Behavior (3)

5. Electives (36-40 hours)**DEGREE:** Bachelor of Arts (BA) or Bachelor of Science (BS)**MAJOR:** Communication**EMPHASIS:** Sports Communications**1. Bachelor's Degree Requirements (128 hours), see page 28.**

Includes:

UNIV	101	Freshman Seminar (3)
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2. General Education Requirements (46-50 hours), see page 30.

Must include:

COMM	102	Public Speaking (3)
CIS	151	Basic Computer Skills (3)
ART	210	Photography I (3)

3. Mass Communication Core Requirements (16 hours)

COMM	201	Introduction to Mass Communication (3)
COMM	203/203L	News Writing (3)
COMM	300	Introduction to Communication Theory (3)
COMM	414	Mass Media Law (3)
COMM	415	Ethics of Public Communication (3)
COMM	498	Senior Seminar (1)

4. Communication Emphasis Requirements (33 hours)

COMM	110/110L	Beginning Television Production (3)
COMM	210/210L	Audio Production (3)
COMM	220/220L	Intermediate Television Production (3)
COMM	223	Voice and Performance (3)
COMM	304	Reporting (3)
COMM	306	Communication Design (3)
COMM	327	Broadcast Journalism (3)
COMM	344	Mass Communication Workshop (2)
COMM	403	Computer Assisted Reporting (3)
COMM	407	Sports Communication (3)
COMM	489	Communication Internship (1-3)

5. Required Courses Outside Communication (18 hours)

Choice of 4 courses (12 hrs.)

HPE	331	Coaching of Football (3)
HPE	333	Coaching of Basketball (3)
HPE	341	Coaching of Volleyball (3)
HPE	342	Coaching of Track and Field (3)
HPE	382	Coaching of Softball and Baseball (3)
HPE	245	Theory of Coaching (3)
HPE	381	Officiating of Sports (3)

6. Electives (8 hours) from the following or as approved by advisor

COMM	260	Public Relations (3)
COMM	420	Documentary Field Production (3)
COMM	422/422L	Directing for TV (3)
COMM	428	Media Management (3)
COMM	456	Event Management (3)
COMM	489	Communication Internship (1-3)
CIS	241	Introduction to Web Development (3)
HPE		selected topics

NOTE: Student must complete a minor as a requirement of the Bachelor of Science or Bachelor of Arts.

MINOR: Art/Computer Graphics/Animation (for Communication Majors Only)**Art/Computer Graphics Course Requirements (28 hrs.)**

ART	145	Materials I (4)
ART	146	Materials II (4)
ART	245	Visual Concepts & Principles I (4)
ART	345	Advanced Materials I (4)
ART	459	Computer Graphics/Animation (4) (Repeated for 12 hours)

MINOR: Communication/Computer Graphics/Animation (for Art Majors Only)**Communication/Computer Graphics Course Requirements (28 hours)**

COMM	110/110L	Beginning Television Production (3)
COMM	201	Introduction to Mass Communication (3)
COMM	220/220L	Intermediate Television Production (3)
ART	459	Computer Graphics/Animation (4) (Repeat for 12 hours.)

4 hrs. from the following:

COMM	344	Mass Communication Workshop (2) (Repeat for 4 hours.)
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3 hrs. from the following:

COMM	420	Documentary Field Production (3)
COMM	422/422L	Directing for Television (3)

MINOR: Communication Studies**1. Communication Course Requirements (15 hours)**

COMM	102	Public Speaking (3)
COMM	202	Dynamics of Group Behavior (3)
COMM	250	Techniques of Listening (3)
COMM	300	Introduction to Communication Theory (3)
COMM	334	Persuasive Communication (3)

2. Communication Electives (9 hours) Select from the following:

COMM	338	Intercollegiate Forensics (1) (May be repeated for a maximum of 3 hours)
COMM	355	Techniques of Job Interviewing (3)
COMM	370	Principles of Negotiation (3)
COMM	380	Nonverbal Communication (3)
COMM	390	Rhetorical Theory (3)
COMM	475	Gender Communications (3)
COMM	477	Family Communications (3)
COMM	447	Organizational Communication (3)
COMM	455	Intercultural Communication (3)
COMM	470	Interpersonal Communicative Behavior (3)

MINOR: Journalism**Communication Course Requirements (21 hours)**

COMM	203/203L	News Writing (3)
COMM	304	Reporting (3)
COMM	305	Copy Editing (3)
COMM	306	Communication Design (3)
COMM	403	Computer Assisted Reporting (3)
COMM	412/412L	Photojournalism (3)
ART	210	Photography I (3)

MINOR: Telecommunication**Communication Course Requirements (25 hours)**

COMM	110/110L	Beginning Television Production (3)
COMM	201	Introduction to Mass Communication (3)
COMM	203/203L	News Writing (3)
COMM	210/210L	Audio Production (3)
COMM	220/220L	Intermediate Television Production (3)
COMM	304	Reporting (3)
COMM	327	Broadcast Journalism (3)
4 hours from the following:		
COMM	344	Mass Communication Workshop (2)

SUGGESTED PROGRAMS OF STUDY IN COMMUNICATION

For specific information on particular degree plans, see advisor.

Broadcast Journalism:

1. Freshmen must take COMM 102, COMM 110/110L, PSCI 102.
2. Sophomores should take 200 level classes.
3. Juniors should take 300 level classes, and COMM 344.
4. Seniors should take 400 level classes, and COMM 498 the last semester.

Broadcast Production:

1. Freshmen must take PSCI 102, COMM 110/110L.
2. Sophomores must take 200 level classes.
3. Juniors should take 300 level classes, and COMM 344.
4. Seniors should take 400 level classes, and COMM 498 the last semester.

Journalism:

1. Freshmen must take PSCI 102, HIST 102.
2. Sophomores should take 200 level classes, ART 210.
3. Juniors should take 300 level classes.
4. Seniors should take 400 level classes, and COMM 498 the last semester.

Public Relations:

1. Freshmen should take COMM 102, COMM 110/110L, PSCI 102, CIS 151.
2. Sophomores should take ART 210, ECON 221, and 200 level classes.
3. Juniors should take 300 level classes.
4. Seniors should take 400 level classes, and COMM 498 the last semester.

DEPARTMENT OF HISTORY AND HUMANITIES

Professor: K. Paul Jones
Associate Professors: Donald C. Elder, III
 Linda Gies
Assistant Professors: Suzanne Balch-Lindsay
 Gerald Gies

HISTORY

The courses in History aim primarily to help the student to better understand and cope with problems of the modern world, to foster an enjoyment of history, and to make the student's interest in the past a discriminating one. Course work involves training in the use of historical sources as a means for developing a critical faculty, a spirit of inquiry, and open-mindedness. In addition to history's cultural significance, a historical approach to problem solving for modern-day events is of value to those intending to take up such professions as teaching, law, journalism, politics, the ministry, or the civil or diplomatic services. The student majoring in History is required to take at least one (1) upper division course in **each** of three areas: United States, European, and non-Western History. A second degree is available in History for students who want to major in History and teach at the secondary level. The licensure is Secondary Social Studies. **All majors are strongly encouraged to complete ENG 104 or its equivalent before beginning any upper division work in History.** Descriptions of HIST courses beginning on page 130.

HUMANITIES

The humanities consists of branches of learning concerned with social and moral thought. Humanities courses include history, literature, the arts, religion, and philosophy. The humanities is a record of our lives, where we have been, where we are, and the probability of where we are going. The humanities, then, is the study of that which is most human; it helps define one's relationship to self and society. Descriptions of HUM courses begin on page 131.

PHILOSOPHY

Philosophy is a method. It is learning how to ask and re-ask questions until meaningful answers begin to appear. It is learning how to relate to materials and to evaluate them. Thus, philosophy develops new insight into human thought. Descriptions of PHIL courses begin on page 137.

DEGREE: Bachelor of Arts (BA) or Bachelor of Science (BS)
MAJOR: History

- 1. Bachelor's Degree Requirements, see page 28.**
Includes:
UNIV 101 Freshman Seminar (3)
NOTE: BA candidates must satisfy language requirement (6-14 hours).
- 2. General Education Requirements (46-50 hours), see page 30.**
Must include 12 hrs. social sciences outside of history and minor area.
- 3. History Course Requirements (31 hours)**

HIST	101	Survey of American History to 1877 (3)
HIST	102	Survey of American History since 1877 (3)
HIST	121	Survey of Western Civilization (3)
HIST	122	Survey of Western Civilization (3)
HIST	490	Senior Portfolio in History (1)

18 hours of HIST electives (at least 15 of which must be upper division, and must include one course **each** in U.S. (HIST 332, 333, 372, 432, 447, 448); European (HIST 321, 322, 324, 326, 419, 425, 428); and non-Western (HIST 301, 401, 402, 403, 405, 406) history).

4. Electives (31-45 hours)

NOTE: Student must complete a minor of at least 15 hours as a requirement of the Bachelor of Arts or Bachelor of Science.

MINOR: History

History Course Requirements (21 hours)

HIST	101	Survey of American History to 1877 (3)
HIST	102	Survey of American History since 1877 (3)
HIST	121	Survey of Western Civilization (3)
HIST	122	Survey of Western Civilization (3)

9 hours of HIST electives (at least 6 of which must be upper division)

DEGREE: Bachelor of Arts (BA) or Bachelor of Science (BS)

MAJOR: History

LICENSURE: Secondary Social Studies

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV	101	Freshman Seminar (3)
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NOTE: BA candidates must satisfy language requirement (6-14 hours).

2. Teaching Degree General Education Requirements (55-56 hours), see page 42.

Must include:

HIST	101	Survey of American History to 1877 (3)
HIST	102	Survey of American History since 1877 (3)
HIST	121	Survey of Western Civilization (3)
HIST	122	Survey of Western Civilization (3)
PSCI	102	American National Government (3)

3. Professional Education Requirements (33 hours), see page 43.

Must include:

HIST	409	Teaching Social Studies (3)
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4. Social Studies Course Requirements (36 hours)

HIST	101	Survey of American History to 1877 (3)
HIST	102	Survey of American History since 1877 (3)
HIST	121	Survey of Western Civilization (3)
HIST	122	Survey of Western Civilization (3)
HIST	203	New Mexico (3)

Student must take 21 hours of upper division HIST electives, including one course each in U.S. (HIST 332, 333, 372, 432, 447, 448); European (HIST 321, 322, 324, 326, 419, 425, 428); and non-Western (HIST 301, 401, 402, 403, 405, 406) history.

5. Subject Matter Endorsement Area/Minor (24 hours)

See page 43 for ENMU recommended subject matter endorsement area/minors. NOTE: Another Secondary Social Studies licensure option is found on page 99.

SUBJECT MATTER ENDORSEMENT

AREA/MINOR: Social Studies

LICENSURE: Elementary Only

HIST 203 is the only class taken in the general education sequence that will count for the emphasis area in Social Studies.

1. General Education Requirements must include, see page 30:

HIST	101	Survey of American History to 1877 (3)
HIST	102	Survey of American History since 1877 (3)
HIST	121 or 122	Survey of Western Civilization (3)
HIST	203	New Mexico (3)

2. Social Studies Course Requirements (24 hours)

The following 6 hours required:

HIST	121 or 122	Survey of Western Civilization (3)
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(whatever course not taken in general education requirements)

HIST	203	New Mexico (3)
HIST	409	Teaching Social Studies (3)
15 hours from the following recommended courses (three different disciplines should be represented).		
PSCI	101	Introduction to Political Science (3)
PSCI	102	American National Government (3)
PSCI	200	Political Science Research Methods (3)
PSCI	306	Contemporary Political Ideologies (3)
SOC	101	Introductory Sociology (3)
SOC	215	Marriage and the Family (3)
SOC	302	Racial and Ethnic Relations (3)
SOC	305	Sex Roles in Society (3)
SOC	315	Social Inequality (3)
SOC	320	Social and Cultural Change (3)
SOC	324	Social Psychology (3)
SOC	402	Development of Social Thought (3)
SOC	415	Sociology of the Family (3)
SOC	435	Sociology of Education (3)
ANTH/GEOG	103	Humans & Their Environments (3)
ANTH	111	The Dawn of Humanity (3)
ANTH	123	New Mexico: Enchanted Lands and Diverse Cultures (3)
ANTH	205	Women in Cross-Cultural Perspective (3)
ANTH/GEOG	233	People and Cultures of the World (3)
ANTH	340	Indians of North America (3)
ANTH	401	Indians of the Plains (3)
ECON	221	Principles of Macro Economics (3)
ECON	222	Principles of Micro Economics (3)

SUBJECT MATTER ENDORSEMENT**AREA/MINOR: Social Studies****LICENSURE: Special Education Only**

Courses taken in the general education sequence will not count for the endorsement area.

1. General Education Requirements must include:

HIST	101	Survey of American History to 1877 (3)
HIST	102	Survey of American History since 1877 (3)
HIST	121	Survey of Western Civilization (3) OR
HIST	122	Survey of Western Civilization (3)
HIST	203	New Mexico (3)

2. Social Studies Course Requirements (24 hours)

HIST	121	Survey of Western Civilization (3) OR
HIST	122	Survey of Western Civilization (3)
HIST	409	Teaching Social Studies (3)
PSCI	101	Introduction to Political Science (3)
SOC	101	Introductory Sociology (3)
SOC	215	Marriage and the Family (3)
ANTH	111	The Dawn of Humanity (3)
ANTH	123	New Mexico: Enchanted Lands and Diverse Cultures (3)
ECON	221	Principles of Macro Economics (3)

INTERDISCIPLINARY PROGRAMS

Two options are available within the College of Liberal Arts and Sciences for the student who wishes to pursue an unspecified program of study. Such a student may pursue an Associate of Arts degree in general studies or a Bachelor of University Studies degree and select many courses from the entire university, suiting studies to the student's own interests and needs without regard to required courses for majors.

DEGREE: Associate of Arts (AA)

MAJOR: General Studies

1. **General Requirements, page 28.**

2. **General Education Courses (24 hrs.)**

Includes:

UNIV 101 Freshman Seminar (3)

a. Social Sciences (6) (ANTH, ECON, GEOG, HIST, PSCI, PSY, SOC)

b. Mathematics and Natural Science (6) (MATH, STAT, BIOL, CHEM, PHYS, GEOL, PHSC)

c. Humanities (6) (ART, MUS, HUM, REL, literature)

d. Communications (6) (ENG composition, COMM, FR, SPAN)

3. **Electives (40 hrs.)**

It is recommended that at least 15 hrs. be in one area of concentration within the Liberal Arts and Sciences.

4. **The final 15 hrs. in residence.**

BACHELOR OF UNIVERSITY STUDIES

The Bachelor of University Studies degree is a flexible degree program available to full- or part-time students. The program is especially designed for those students who have gained significant learning through their work/life experience. At the time of entrance into the program each student must complete a degree plan with the University Studies advisor in the College of Liberal Arts and Sciences. The Dean shall have final approval authority for each proposed University Studies degree plan. This degree plan will indicate the structure of the student's proposed plan of study and ensure that all degree and University requirements are met.

DEGREE: Bachelor of University Studies (BUS)

MAJOR: (None)

1. **Bachelor's Degree Requirements, see page 28.**

Includes:

UNIV 101 Freshman Seminar (3)

2. **General Education Requirements (53 hrs.), see page 30.**

3. **Emphasis of two fifteen-hour blocks in two fields of study (30 hrs.).**

Each course must be completed with a grade of "C" or better.

4. **Electives (45 hrs.)**

5. **Forty-five hours must be completed after approval of the degree plan.**

GREATER SOUTHWESTERN STUDIES

Southwestern United States and Mexico share a common historical and cultural heritage as well as numerous environmental characteristics. Drawing upon the University's geographic location in the center of the southwestern region and upon the regional expertise of the faculty, a minor of Greater Southwestern Studies will focus upon cultural, historical, and environmental similarities and promote an awareness and knowledge of important interrelationships between Mexico and southwestern United States.

Students considering a minor in Greater Southwestern studies should consult with the advisor appointed by the college dean. Exceptions to the degree requirements for a minor must be approved by the advisor and the college dean. Students needing further information concerning the Greater Southwestern Studies program can inquire in the office of the Dean of the College of Liberal Arts and Sciences, LA Room 114.

MINOR: Greater Southwestern Studies

Twenty-one (21) hours are required for the Greater Southwestern Studies minor selected from the following courses with at least one course from each of the areas of anthropology, history, and humanities.

1. ANTH	123	New Mexico: Enchanted Lands and Diverse Cultures (3)
ANTH	432	Indians of the Southwest (3)
ANTH	461	Prehistory of the Southwest (3)
ANTH	462	Prehistory of Mexico and Middle America (3)
ENG	413	Literature of the Southwest (3)
GEOL	482	Geology of New Mexico (2)
HIST	203	New Mexico (3)
HIST	301	Mexico (3)
HUM	171	The Chicano in American Humanities (3)
HUM	272	The Chicano in American Humanities in the Twentieth Century (3)

2. Some disciplines offer topics courses, seminar courses, and field studies courses often numbered 293 and 493, which have varying content from semester to semester. These courses may be used for degree credit for the minor when their topics have been approved by the Greater Southwestern Studies advisor.

WOMEN'S STUDIES

The Women's Studies minor and certificate are offered to those who wish to increase their knowledge, interest, and appreciation of the needs, contributions, problems, and aspirations of women. The minor and certificate are based on an interdisciplinary approach with courses offered in anthropology, communication, English, history, humanities, political science, psychology, and sociology as well as other areas. There is no structured predefined program of study for the minor or certificate. The reasons for seeking the minor or certificate are varied and highly individualistic; therefore, the program is tailored to individual needs and interests and is flexible in its application to current course offerings.

The Women's Studies Program is recommended for those students who wish to combine a traditional major with a multi-disciplinary background in women's studies. It is a multicultural program that sustains and integrates diverse perspectives by providing a forum for expanding the understanding and critical application of feminist scholarship. As a program requirement, students are required to make a public presentation on material developed during their certificate or minor course work.

Women's Studies is directed by an interdisciplinary committee of faculty teaching in the area and/or with special expertise or interest in the area. The committee is appointed by and reports to the dean of the College of Liberal Arts and Sciences. Students needing information concerning the Women's Studies Program can inquire in Jack Williamson Liberal Arts Building, Room 114.

CERTIFICATE: Women's Studies

1. Fifteen (15) hours are required for the Women's Studies Certificate, including HUM 105 Introduction to Women's Studies and 12 hours of electives, as defined under the Women's Studies minor.
2. Students planning to earn the Women's Studies Certificate must apply in the office of the dean of the College of Liberal Arts and Sciences.

MINOR: Women's Studies

1. Eighteen (18) hours are required for the Women's Studies minor, including HUM 105 Introduction to Women's Studies and 15 hours of electives selected from course offerings approved by the committee and published each semester.
2. It is recommended that the 15 elective hours are drawn from several different disciplines to reflect the interdisciplinary nature of the program.
3. Students planning to earn the Women's Studies minor must apply in the office of the dean of the College of Liberal Arts and Sciences.

DEPARTMENT OF LANGUAGES AND LITERATURE

Professor: Antony Oldknow
Associate Professors: Mary Fanelli Ayala
 Patrice Caldwell
 Michael Donaghe
 Erin O'Neill
 Ollie O. Oviedo
 Margaret Moore Willen

Assistant Professors: Nina Bjornsson
 J. Vitelio Contreras
 Colin Ramsey
 Jerald Spotswood

ENGLISH

The English program at ENMU is carefully planned to assist all students to achieve mastery of written composition and comprehension and to provide those students who plan to teach English or to pursue higher degrees in English with courses that will prepare them for their careers. The program also provides students with the opportunity to satisfy their intellectual curiosity, whether or not their major studies are in English, through exposure to the ideas of great writers.

Most freshman students will enroll for ENG 102/104 as part of the General Education requirements. Students with special ability in English may enroll in the honors courses, ENG 108/109.

Prospective English majors are reminded that the BA degree requires proficiency in a second language other than English. All students enrolling in 200-level or upper-division English courses should have completed English 102 and 104. Writing assignments in these courses will assume knowledge of the skills taught in 100-level courses. Descriptions of ENG courses begin on page 122.

DEGREE: Bachelor of Arts (BA)
MAJOR: English

1. **Bachelor's Degree Requirements, see page 28.**
 Includes:
 UNIV 101 Freshman Seminar (3)
 NOTE: BA candidates must satisfy language requirement (6-14 hours).
2. **General Education Requirements (46-50 hours), see page 30.**
3. **English Course Requirements (18 hours)**
 ENG 211 Introduction to Literature (3)
 ENG 221 British Literature Survey I (3)
 ENG 222 British Literature Survey II (3)
 ENG 311 American Literature Survey I (3)
 ENG 312 U.S. Literature Survey II (3)
 ENG 330 Literary Theory
4. **English Upper Division Requirements (9 hours)**
Nine hours must be divided as follows:
 British Literature before 1600 (3)
 American Literature before 1825 (3)
 English Language Studies (3), **OR**
 English Grammar (3), **OR**
 Linguistics (3)
5. **English Upper Division Electives: (9 hours).**
 Only 3 of these hours may be in a writing course.
6. **Electives (26-42 hours)**
 NOTE: Student must complete a minor of at least 15 hours as a requirement of the Bachelor of Arts.

MINOR: English

English Course Requirements (21 hours)

ENG 211 Introduction to Literature (3)
 ENG 221 British Literature Survey I (3)
 ENG 222 British Literature Survey II (3)
 ENG 311 American Literature Survey I (3)
 ENG 312 U.S. Literature Survey II (3)
 6 hours of ENG electives: 3 hours at the 300 level, 3 hours at the 400 level.

DEGREE: Bachelor of Arts (BA) or Bachelor of Science (BS)

MAJOR: English

LICENSURE: Secondary

1. **Bachelor's Degree Requirements, see page 28.**
 Includes:
 UNIV 101 Freshman Seminar (3)
 NOTE: BA candidates must satisfy language requirement (6-14 hours).
2. **Teaching Degree General Education Requirements (55-56 hours), see page 42.**
3. **Professional Education Requirements (30 hours), see page 43.**
4. **English Course Requirements (36 hours)**
 ENG 211 Introduction to Literature (3)
 ENG 221 British Literature Survey I (3)
 ENG 222 British Literature Survey II (3)
 ENG 235 Advanced Composition (3)
 ENG 311 American Literature Survey I (3)
 ENG 312 U.S. Literature Survey II (3)
 ENG 330 Literary Theory (3)
 ENG 410 English Grammar (3)
 ENG 441 Shakespeare: Histories and Tragedies (3),
 ENG 442 Shakespeare: Comedies and Problem Plays (3)
 ENG 496 Methods of Teaching Secondary English (3)
 6 hours upper division ENG electives: 3 hours at the 300 level, 3 hours at the 400 level.
5. **Subject Matter Endorsement Area/Minor (24 hours).**
 See page 43 for ENMU recommended subject matter endorsement area/minors.

SUBJECT MATTER ENDORSEMENT

AREA/MINOR: English

LICENSURE: Secondary Only

English Course Requirements (24 hours)

ENG 211 Introduction to Literature (3)
 ENG 221 British Literature Survey I (3)
 ENG 222 British Literature Survey II (3)
 ENG 235 Advanced Composition (3)
 ENG 311 American Literature Survey I (3)
 ENG 312 U.S. Literature Survey II (3)
 ENG 410 English Grammar (3)
 ENG 496 Methods of Teaching Secondary English (3)

The Professional/Technical Writing minor helps students learn how to communicate professional/technical material to various specialized and general audiences. The minor assists students in all colleges to refine their capacity for making critical judgements, to expand their language skills, and to employ up-to-date professional/technical forms and conventions. Emphasis is placed on careful reading and analysis, on effective visual and verbal presentation of material, and on advanced practical composition.

MINOR: Professional/Technical Writing

1. Required Courses (15 hours)

ENG	211	Introduction to Literature (3)
ENG	325	Professional and Technical Writing (3)
ENG	415	Expository Writing (3)
ENG	416	Report Writing (3)
ART	375	Introduction to Graphic Design (4), OR
COMM	203/203L	News Writing (3)

2. Electives (6 hours)

Choose from the following or other courses approved by the Professional/Technical Writing advisors:

COMM	102	Public Speaking (3)
ENG	410	English Grammar (3)

3. If the student's major is English, he or she will have to take an additional 3 hours of ENG at or above the 200 level to compensate for the overlap between the major and the minor occasioned by ENG 211.

MODERN LANGUAGES

The Modern Languages program is planned to provide students with bilingual abilities in French or Spanish, encouraging a greater understanding of another culture and of their own language. Spanish, especially, is important to professionals working in the Southwest. Students may also prepare for a higher degree in Spanish.

Only students with no previous knowledge of the language should register for 101 courses; other students should consult the language faculty or take a placement test before registering. Native speakers of Spanish should enroll in Spanish 105/205, which are courses which will address their specific needs. (A "native speaker" is considered to be any student who has contact with the Spanish language at home or elsewhere, and is able to understand very basic conversational Spanish, without necessarily having any knowledge of grammar or advanced vocabulary.)

All candidates for a Bachelor of Arts degree must complete an intermediate language course (201/202 or SPAN 105/205). Course descriptions for FR courses begin on page 125, SPAN courses begin on page 141.

DEGREE: Bachelor of Arts (BA)

MAJOR: Spanish

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV	101	Freshman Seminar (3)
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2. General Education Requirements (46-50 hours), see page 30.

3. Spanish Course Requirements (33 hours)

SPAN	201	Intermediate Spanish (3), AND
SPAN	202	Continuation of Intermediate Spanish (3), OR
SPAN	105	Beginning Spanish: Native Speaker (3), AND
SPAN	205	Intermediate Spanish: Native Speaker (3)
SPAN	311	Advanced Conversation and Composition (3)
SPAN	325	Peninsular Culture and Civilization (3)
SPAN	326	Latin American Culture and Civilization (3)
SPAN	331	Survey of Latin American Literature (3), AND
SPAN	332	Survey of Latin American Literature (3), OR
SPAN	351	Survey of Peninsular Literature (3), AND
SPAN	352	Survey of Peninsular Literature (3)

12 hours upper division SPAN electives

4. Electives (42 hours)

NOTE: Student must complete a minor of at least 15 hours as a requirement of the Bachelor of Arts.

DEGREE: Bachelor of Arts (BA)

MAJOR: Spanish

LICENSURE: Secondary

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV	101	Freshman Seminar (3)
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2. Teaching Degree General Education Requirements, (55-56 hours) see page 42.

3. Professional Education Requirements (30 hours), see page 43.

4. Spanish Course Requirements (33 hours).

A. SPAN	201	Intermediate Spanish (3), AND
SPAN	202	Continuation of Intermediate Spanish (3),

OR

SPAN	105	Beginning Spanish: Native Speaker (3), AND
SPAN	205	Intermediate Spanish: Native Speaker (3)

B. SPAN	311	Advanced Conversation and Composition (3)
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SPAN	325	Peninsular Culture and Civilization (3)
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SPAN	326	Latin American Culture and Civilization (3)
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EITHER:

SPAN	331	Survey of Latin American Literature (3), AND
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SPAN	332	Survey of Latin American Literature (3), OR
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SPAN	351	Survey of Peninsular Literature (3), AND
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SPAN	352	Survey of Peninsular Literature (3)
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SPAN	436	Teaching of Modern Languages (3)
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9 hours of upper division SPAN electives.

5. Subject Matter Endorsement Area/Minor (24 hours)

See page 43 for ENMU recommended subject matter endorsement area/minors.

MINOR: Spanish

18 credit hours, including 6 upper-division credit hours, and passing grade on proficiency examination.

MINOR: French

18 credit hours, including 6 upper-division credit hours, and passing grade on proficiency examination.

SUBJECT MATTER ENDORSEMENT

AREA/MINOR: Spanish

LICENSURE: Secondary Only

Spanish Course Requirements (24 hours)

SPAN	201	Intermediate Spanish, (3), AND
SPAN	202	Continuation of Intermediate Spanish (3),

OR

SPAN	105	Beginning Spanish: Native Speaker (3), AND
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SPAN	205	Intermediate Spanish: Native Speaker (3)
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SPAN	311	Advanced Conversation and Composition (3)
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SPAN	331	Survey of Latin American Literature (3), AND
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SPAN	332	Survey of Latin American Literature (3), OR
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SPAN	351	Survey of Peninsular Literature (3), AND
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SPAN	352	Survey of Peninsular Literature (3)
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SPAN/FR	436	Teaching of Modern Languages (3)
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6 hours upper division SPAN electives

SUBJECT MATTER ENDORSEMENT

AREA/MINOR: Modern Languages

LICENSURE: Secondary or Special Education Licensure

Spanish or French Course Requirements (24 hours)

SPAN	201	Intermediate Spanish (3), AND
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SPAN	202	Continuation of Intermediate Spanish (3), OR
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SPAN	105	Beginning Spanish: Native Speaker (3), AND
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SPAN	205	Intermediate Spanish: Native Speaker (3)
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FR	201	Intermediate French (3)
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FR	202	Continuation of Intermediate French (3)
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SPAN or FR	311	Advanced Conversation and Composition (3)
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SPAN or FR	436	Teaching of Modern Languages (3)
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3 hours upper division SPAN or FR electives.

DEPARTMENT OF MATHEMATICAL SCIENCES

Professors: Ira T. Elder
Kathleen C. Salter

Associate Professors: Mohamad H. Ahmadian
Regina D. Aragon
Anne M. Cable
Richard E. Propes

Assistant Professors: Hamid Allamehzadeh
Thomas R. Brown
Mir Mortazavi
Christopher E. Stuart

MATHEMATICS

This program offers up to date, sound curricula in pure and applied mathematics from which students may attain a high degree of intellectual maturity and professional competence.

A continual effort to keep course offerings up to date permits students to proceed to graduate school or to accept a position of employment with a sound mathematical background.

It is strongly recommended that a mathematics major consider a minor or a second major utilizing mathematics, such as statistics, economics, natural sciences or computer science. Upper division courses with a STAT prefix may be used as mathematics electives. Descriptions of MATH courses begin on page 132.

STATISTICS

Statistics courses are divided into two categories: (1) basic statistical methodology requiring no prior course work (STAT 115, 213, 500); (2) statistical methodology, probability, and statistical theory requiring a computing background and/or a mathematics background and prior course work in statistics (STAT 403, 404, 431, 432).

Any upper division course with a STAT prefix may be counted as a statistics course or as a mathematics elective. A student may take courses in statistics to satisfy requirements for a major or a minor in mathematics; however, a student may NOT apply the same course to BOTH a statistics minor and a mathematics major or minor. Descriptions of STAT courses begins on page 142.

DEGREE: Bachelor of Arts (BA) or Bachelor of Science (BS)
MAJOR: Mathematics

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

NOTE: BA candidates must satisfy language requirement (6-14 hours).

2. General Education Requirements (46-50 hours), see page 30.

3. Mathematics Course Requirements (36 hours)

MATH	124	Calculus I (4)
MATH	132	Calculus II (4)
MATH	202	Calculus III (4)
MATH	340	Foundations of Higher Mathematics (3)
MATH	341	Abstract Algebra I (3)
MATH	351	Ordinary Differential Equations (3)
MATH	352	Introduction to Linear Algebra (3)
MATH	371	Real Analysis (3)

9 hours upper division MATH (excluding MATH 317, 361, and 429), STAT or approved CS courses.

4. Required courses in related areas (6 hours)

CS	123	Programming Fundamentals (C++ (3), OR
CS	131	Programming in FORTRAN (3)
STAT	403	Probability and Mathematical Statistics I (3)

5. Electives (17-33 hours)

NOTE: Student must complete a minor of at least 15 hours as a requirement of the Bachelor of Arts or Bachelor of Science.

MINOR: Mathematics

Mathematics Course Requirements (24 hours)

MATH 124 Calculus I (4)

MATH 132 Calculus II (4)

MATH 202 Calculus III (4)

12 hours upper division MATH electives or STAT electives (excluding MATH 317, 361, and 429).

DEGREE: Bachelor of Arts (BA) or Bachelor of Science (BS)

MAJOR: Mathematics

EMPHASIS: Statistics

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

NOTE: BA candidates must satisfy language requirement (6-14 hours).

2. General Education Requirements (46-50 hours), see page 30.

3. Mathematics Course Requirements (21 hours)

MATH 124 Calculus I (4)

MATH 132 Calculus II (4)

MATH 202 Calculus III (4)

9 hours from the following:

MATH 340 Foundations of Higher Mathematics (3)

MATH 352 Introduction to Linear Algebra (3)

MATH 401 Advanced Calculus I (3)

MATH 402 Advanced Calculus II (3)

MATH 409 Numerical Analysis I (3)

MATH 410 Numerical Analysis II (3)

MATH 451 Linear Algebra (3)

4. Statistics Course Requirements (18 hours)

9 hours from the following:

STAT 213 Statistical Methods I (4)

STAT 313 Statistical Methods II (3)

STAT 314 Nonparametric Methods (3)

STAT 315 Survey Sampling Methods (3)

9 hours from the following:

STAT 403 Probability and Mathematical Statistics I (3)

STAT 404 Probability and Mathematical Statistics II (3)

STAT 431 Design of Experiments (3)

STAT 432 Statistical Packages (3)

STAT 493 Topics in Statistics (1-3)

5. Required courses in other areas (6 hours)

CS 123 Programming Fundamentals (C++ (3)

CS 134 Intermediate Programming (C++ (3)

6. Electives (14-30 hours)

NOTE: Student must complete a minor of at least 15 hours as a requirement of the Bachelor of Arts or Bachelor of Science.

MINOR: Statistics

1. Statistics Course Requirements (16 hours)

STAT 213 Statistical Methods I (4)

STAT 313 Statistical Methods II (3)

9 hours from the following:

MATH 420 Combinatorial Analysis (3)

STAT 115 Introduction to Statistics and Computer Programming (3)

STAT 314 Nonparametric Methods (3)

STAT 315 Survey Sampling Methods (3)

STAT 403 Probability and Mathematical Statistics I (3)

STAT 404 Probability and Mathematical Statistics II (3)

STAT 431 Design of Experiments (3)

STAT 432 Statistical Packages (3)

2. Required courses in related areas (7 hours)

CS	123	Programming Fundamentals (C++) (3)
MATH	124	Calculus I (4)

DEGREE: Bachelor of Arts (BA) or Bachelor of Science (BS)**MAJOR: Mathematics****LICENSURE: Secondary****1. Bachelor's Degree Requirements, see page 28.**

Includes:

UNIV	101	Freshman Seminar (3)
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NOTE: BA candidates must satisfy language requirement (6-14 hours).

2. General Education Requirements (55-56 hours), see page 42.**3. Professional Education Requirements (33 hours), see page 43.**

Must include:

MATH	429	Teaching of Mathematics (3)
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4. Mathematics Course Requirements (27 hours)

MATH	124	Calculus I (4)
MATH	132	Calculus II (4)
MATH	202	Calculus III (4)
MATH	317	Introduction to Geometry (3)
MATH	340	Foundations of Higher Mathematics (3)
MATH	341	Abstract Algebra I (3)

6 hours upper division MATH or STAT electives not including MATH 429.

5. Required courses in related areas (7 hours)

CS	123	Programming Fundamentals (C++) (3),
OR		
CS	131	Programming in FORTRAN (3)
STAT	213	Statistical Methods I (4)

6. Subject Matter Endorsement Area/Minor (24 hours)

See page 43 for ENMU recommended subject matter endorsement area/minors.

DEGREE: Bachelor of Science (BS) or Bachelor of Arts (BA)**MAJOR: Mathematics Composite****LICENSURE: Secondary****1. All requirements 1-5 above.****2. Additional 18 hours MATH, STAT and/or CS, at least 6 hours of which must be upper division with prior approval of teacher education advisor.****SUBJECT MATTER ENDORSEMENT****AREA/MINOR: Mathematics****LICENSURE: Secondary****Mathematics Course Requirements (24 hours)**

MATH	124	Calculus I (4)
MATH	132	Calculus II (4)
MATH	202	Calculus III (4)
MATH	317	Introduction to Geometry (3)

9 hours upper division MATH electives.

SUBJECT MATTER ENDORSEMENT**AREA/MINOR: Mathematics****LICENSURE: Elementary or Special Education****Mathematics Course Requirements (24 hours)**

MATH	110	College Algebra (3)
MATH	261	Mathematical Concepts I (3)
MATH	361	Mathematical Concepts II (3)
MATH	317	Introduction to Geometry (3)
STAT	213	Statistical Methods I (4)

8 hours electives in MATH, STAT, or CS.

Computer Science

Computer Science is an interdisciplinary program in understanding and utilizing digital computers. The major may be oriented toward mathematics, statistics, computer information systems, or general science with the selected minor providing a primary area of application.

The minor provides broad instruction in the computational tools most in demand by other fields. Descriptions for CS courses begin on page 116.

DEGREE: Bachelor of Science (BS)**MAJOR: Computer Science****1. Bachelor's Degree Requirements, see page 28.**

Includes:

UNIV	101	Freshman Seminar (3)
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2. General Education Requirements (46-50 hours), see page 30.

Required General Education Course (4-5 hours)

BIOL 151/151L OR BIOL 152/152L OR CHEM 151/151L OR GEOL 151/151L OR PHYS 151/151L or PHYS 201/201L (Physics is recommended.)

3. Computer Science Course Requirements (39 hours)

CS	123	Programming Fundamentals (C++) (3)
CS	134	Intermediate Programming (C++) (3)
CS	220	Mathematical Foundations of Computer Science I (3)
CS	257	Data Structures (3)
CS	301	Programming Language Concepts (3)
CS	320	Mathematical Foundations of Computer Science II (3)
CS/EET	340	Microprocessors & Assembly Programming (3)
CS	360	Object Oriented Programming with Java (3)
CS	451	Design and Analysis of Algorithms (3)
CS	461	Operating Systems (3)

Computer Science/Mathematical Electives - 9 hours from the following with at least 3 hours at the 400 level.

CS	342	Computer Architecture (3)
CS	402	Models and Simulations (3)
CS	404	Automata, Languages, and Computability (3)
CS/MATH	409	Numerical Analysis I (3)
CS/MATH	410	Numerical Analysis II (3)
CS	415	Software Engineering (3)
CS	457	Database Theory (3)
CS	470	Compiler Design (3)
MATH	420	Combinatorial Analysis (3)
MATH	422	Graph Theory (3)
EET	241/241L	Logic Circuits (3)
EET	472/472L	Microprocessor & Microcomputer Interfacing (3)

4. Required courses in related areas (11 hours)

MATH	124	Calculus I (4)
MATH	132	Calculus II (4)
STAT	403	Probability and Mathematical Statistics I (3)

MINOR: Computer Science**1. Computer Science Requirements (18 hours)**

CS	123	Programming Fundamentals (C++) (3)
CS	134	Intermediate Programming (C++) (3)
CS	220	Mathematical Foundations of Computer Science I (3)
CS	257	Data Structures (3)
CS/EET	340	Microprocessors and Assembly Programming (3)
CS	360	Object Oriented Programming with Java (3)

2. Required courses in related areas (8 hours)

MATH	124	Calculus I (4)
MATH	132	Calculus II (4)

Electronics Engineering Technology

The Bachelor of Science degree with an emphasis in Electronics Engineering Technology provides knowledge and experience with electronics technology and applications in computer systems design, research and development, manufacturing, and testing. The program produces electronics technologists, highly trained engineering technology professionals who work as team members with engineers and scientists. Our graduates combine scientific and engineering knowledge with technical skills to make professional judgements. There are many attractive opportunities in the well-salaried high tech electronics field for both men and women.

DEGREE: Bachelor of Science (BS)

MAJOR: Electronic Engineering Technology Composite (EET)

EMPHASIS: Electronics Engineering Technology

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

2. General Education Requirements (55 hours), see page 30.

Must include:

MATH 124 Calculus I (4)

PHYS 151/151L General Physics I (4)

3. Electronics Engineering Technology Course Requirements (60 hours)

EET/ENGR	101	Introduction to Engineering (3)
EET	110/110L	Basic Circuit Analysis (3)
EET/ENGR	111/111L	Engineering Graphics (3)
EET	210/210L	Intermediate Circuit Analysis (3)
EET	237/237L	Semiconductor Devices (3)
EET	241/241L	Logic Circuits (3)
EET	242/242L	Sequential Circuits & Applications (3)
EET	280/280L	Electric Machines and Sensors (3)
EET	310/310L	Linear Systems Analysis (3)
EET	337/337L	Operational Amplifiers (3)
EET/CS	340	Microprocessors & Assembly Programming (3)
EET	357/357L	Electronic Communications I (3)
EET	437/437L	Electronic Circuit Design/Analysis (3)
EET	441/441L	Circuit Design with PLDs (3)
EET	450/450L	Control Systems (3)
EET	457/457L	Electronic Communications II (3)
EET	472/472L	Microprocessor & Microcomputer Interfacing (3)
EET	490	Special Project (3)
CS	123	Programming Fundamentals (C+ +) (3)
CS	342	Computer Architecture (3)

4. Electives (15 hours)

7 hours must be upper division.

DEGREE: Bachelor of Applied Science (BAS)

MAJOR: Electronics Engineering Technology Composite (EET)

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

Note: The maximum number of hours that may be transferred into the Bachelor of Applied Science degree in Electronics Engineering Technology is sixty-four. The acceptance and transfer of course work will be based on an analysis of each student's transcript by an EET faculty member.

2. General Education Requirements (46-50 hours), see page 30.

Must include:

MATH 124 Calculus I (4)

PHYS 151/151L General Physics I (4)

3. Technical Emphasis Requirements (21-30 hours)

Students may transfer a minimum of 21 and a maximum of 30 credit hours in their individual technical specialization from a previous program of study. The acceptance and transfer of

course work will be based upon an analysis of each student's transcript by an EET faculty member. If less than 30 credit hours are transferred into the applied science program, the remaining course work necessary to meet the technical emphasis area requirements will be determined by an EET faculty member.

4. Electronics Engineering Technology Course Requirements (36 hours)

EET	310/310L	Linear Systems Analysis (3)
EET	337/337L	Operational Amplifiers (3)
EET/CS	340	Microprocessors & Assembly Programming (3)
EET	357/357L	Electronic Communications I (3)
EET	437/437L	Electronic Circuit Design/Analysis (3)
EET	441/441L	Circuit Design with PLDs (3)
EET	450/450L	Control Systems (3)
EET	457/457L	Electronic Communications II (3)
EET	472/472L	Microprocessor & Microcomputer Interfacing (3)
EET	490	Special Project (3)
CS	123	Programming Fundamentals (C+ +) (3)
CS	342	Computer Architecture (3)

5. Electives (9 hours)

(7 hours must be upper division)

MINOR: Electronics Engineering Technology

Electronics Engineering Technology Course Requirements (18 hours)

EET	110/110L	Basic Circuit Analysis (3)
EET	237/237L	Semiconductor Devices (3)
EET	241/241L	Logic Circuits (3)
EET	242/242L	Sequential Circuits and Applications (3)
EET		Upper division courses (6)

Suggested Program of Study in Electronics Engineering Technology

Below is a suggested sequence of courses for the major listed. *This is not an official degree plan.* For specific information, see advisor.

Freshman Year			
Courses		Credit Fall	Hours Spring
EET/ENGR 101	Introduction to Engineering	0	3
EET/ENGR 111/111L			
	Engineering Graphics	3	0
EET 110/110L	Basic Circuit Analysis	3	0
EET 210/210L	Intermediate Circuit Analysis	0	3
EET 241/241L	Logic Circuits	3	0
	General Education Math Course ...	3	3
	General Education	4	7
		16	16

Sophomore Year			
Courses		Credit Fall	Hours Spring
EET 237/237L	Semiconductor Devices	0	3
EET 242/242L	Sequential Circuits & Applications	0	3
CS 123	Programming Fundamentals (C++)	3	0
PHYS151/151L	General Physics I	4	0
	Electives	3	3
	General Education	6	7
		16	16

Junior Year			
Courses		Credit Fall	Hours Spring
EET 280/280L	Electric Machines and Sensors	3	0
EET 310/310L	Linear Systems Analysis	3	0
EET 337/337L	Operational Amplifiers	3	0
EET/CS 340	Microprocessors & Assembly Programming	3	0
EET 357/357	Electronic Communications I	3	0
CS 342	Computer Architecture	0	3
	Electives	0	3
	General Education	1	10
		16	16

Senior Year			
Courses		Credit Fall	Hours Spring
EET 437/437L	Electronic Circuit Design/Analysis	0	3
EET 441/441L	Circuit Design with PLDs	3	0
EET 450/450L	Control Systems	0	3
EET 457/457L	Electronic Communications II	0	3
EET 472/472L	Microprocessors & Microcomputing Interfacing	0	3
EET 490	Special Project	0	3
	Electives	6	0
	General Education	7	1
		16	16

DEPARTMENT OF PHYSICAL SCIENCES

Associate

Professors: Donald F. Averill
James Constantopoulos
Robert W. Pierce

Assistant

Professors: William Andersen
Newton Hilliard, Jr
Robert D. Long

The Department of Physical Sciences offers the following programs: B.S. Chemistry—ACS Certified, B.S. Chemistry, B.S. Chemistry Biochemistry emphasis, B.S. Geology, B.A. Geology, B.S. Physics; minors in Chemistry, Chemical Physics, Environmental Geology, Geochemistry, Geology, Geophysics, Physics and Teaching of Natural Science. Courses offered in the Department are under the following subject codes: CHEM, GEOL, PHYS, and PHSC.

CHEMISTRY

The Chemistry program is approved by the American Chemical Society (ACS). It offers a Chemistry Major with two degree plans: Plan I is the ACS certified degree, which prepares a student to pursue graduate studies in chemistry and related fields, or to enter industry. Plan II, not certified by the ACS, allows a student more flexibility to choose electives. For example, a pre-med student may choose either Plan I or Plan II and should seek advice from a pre-med advisor. A student may choose Plan II for a Chemistry/Biology double major or a chemistry major with an emphasis in biochemistry. A student who wants to work in the business side of the chemical and allied industries may want to take Plan II with a number of business electives. A student who plans to be a secondary chemistry teacher may take Plan II with the General Education Requirements for teachers on page 42, and the Science Licensure requirements on page 90. A student may obtain honors credit for General Chemistry I and II (CHEM 151-152) by enrolling concurrently in the optional honors seminar classes (CHEM 151H and 152H). Descriptions for CHEM courses begin on page 111.

DEGREE: Bachelor of Science (BS)
MAJOR: Chemistry (ACS Certified) - Plan I

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

2. General Education Requirements (46-50 hours), see page 30.

3. Chemistry Course Requirements (48 hours)

CHEM	151/151L	General Chemistry I (4)
CHEM	152/152L	General Chemistry II (4)
CHEM	233/233L	Quantitative Analysis (4)
CHEM	321/321L	Inorganic Chemistry (4)
CHEM	341/341L	Organic Chemistry I (4)
CHEM	342/342L	Organic Chemistry II (4)
CHEM/PHYS	411/411L	Physical Chemistry I/ Thermodynamics (4)
CHEM	412/412L	Physical Chemistry II (4)
CHEM	452	Biochemistry (3)
CHEM	470	Investigative Problems (1-4) (Must take at least 3 hours)
CHEM	492	Undergraduate Seminar (1)

6 hours from the following chem tech mini-courses:

CHEM	401/401L	Biochemical Methods (2)
CHEM	402/402L	Electrochemical Techniques (2)
CHEM	403/403L	Electronic Spectroscopy (2)
CHEM	404/404L	Spectroscopic Organic Structural Determination (2)
CHEM	406/406L	Scientific Equipment Design (2)

6 hours from the following advanced courses:

CHEM	422	Advanced Inorganic Chemistry (3)
CHEM	431	Molecular Spectroscopy (3)
CHEM	441	Physical Organic Chemistry (3)
CHEM	465	Computer Acquisition of Chemical Data (3)

4. Required courses in related areas (20-22 hours)

MATH	124	Calculus I (4)
MATH	132	Calculus II (4)
MATH	202	Calculus III (4)
PHYS	151/151L	General Physics I (4), AND
PHYS	152/152L	General Physics II (4), OR
PHYS	201/201L	Physics I (5), AND
PHYS	202/202L	Physics II (5)

5. Required Capstone Course (1 hour)

CHEM	495	Senior Chemistry Review (1)
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6. Electives (3-6 hours)

DEGREE: Bachelor of Science (BS)

MAJOR: Chemistry - Plan II, Track I

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

2. General Education Requirements (46-50 hours), see page 30.

3. Chemistry Course Requirements (30 hours)

CHEM	151/151L	General Chemistry I (4)
CHEM	152/152L	General Chemistry II (4)
CHEM	233/233L	Quantitative Analysis (4)
CHEM	321/321L	Inorganic Chemistry (4)
CHEM	341/341L	Organic Chemistry I (4)
CHEM	342/342L	Organic Chemistry II (4)
CHEM	492	Undergraduate Seminar (1)

2 hours from the following chem tech mini courses:

CHEM	401/401L	Biochemical Methods (2)
CHEM	402/402L	Electrochemical Techniques (2)
CHEM	403/403L	Electronic Spectroscopy (2)
CHEM	404/404L	Spectroscopic Organic Structural Determination (2)
CHEM	406/406L	Scientific Equipment Design (2)

3 hours upper division electives

4. Required courses in related areas (6-7 hours)

MATH	110	College Algebra (3)
MATH	124	Calculus I (4), OR
A computer language course		

5. Required Capstone Course (1 hour)

CHEM	495	Senior Chemistry Review (1)
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NOTE: Students must complete a minor of at least 15 hours as a requirement of the Bachelor of Science.

6. Electives (39 hours)

DEGREE: Bachelor of Science (BS)

MAJOR: Chemistry - Plan II, Track II (Biochemistry emphasis)

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

2. General Education Requirements (46-50 hours), see page 30.

3. Chemistry Course Requirements (37-40 hours)

CHEM	151/151L	General Chemistry I (4)
CHEM	152/152L	General Chemistry II (4)
CHEM	233/233L	Quantitative Analysis (4)
CHEM	341/341L	Organic Chemistry I (4)
CHEM	342/342L	Organic Chemistry II (4)
CHEM/PHYS	411/411L	Physical Chemistry I/Thermodynamics (4)
CHEM	470	Investigative Problems (1-4) (must take at least 3 hours)
CHEM	492	Undergraduate Seminar (1)
CHEM	493	Special Topics (Advanced Biochemistry and Enzymes) (6)

4. Required courses in related areas (30 hours)

BIOL	151/151L	General Biology I (4)
BIOL	152/152L	General Biology II (4)
MATH	124	Calculus I (4)
MATH	132	Calculus II (4)

PHYS	151/151L	General Physics (4), AND
PHYS	152/152L	General Physics (4), OR
PHYS	201/201L	Physics I (4), AND
PHYS	202/202L	Physics II (4)

6 hours from the following courses:

BIOL	214	Microbiology (3)
BIOL	231	Genetics (3)
BIOL	222	Introductory Cell Biology (3)

5. Required Capstone Course (1 hour)

CHEM	495	Senior Chemistry Review (1)
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6. Electives (5 hours)

MINOR: Chemistry

Chemistry Course Requirements (20 hours)

CHEM	151/151L	General Chemistry I (4)
CHEM	152/152L	General Chemistry II (4)
CHEM	233/233L	Quantitative Analysis (4), OR
CHEM	321/321L	Inorganic Chemistry (4)
CHEM	341/341L	Organic Chemistry I (4)
CHEM	342/342L	Organic Chemistry II (4)

MINOR: Chemical Physics

1. Major in Physics.

2. Chemistry Course Requirements (17 hours)

CHEM/PHYS	411	Physical Chemistry I/ Thermodynamics (3)
CHEM	411L	Physical Chemistry I Lab (1)
CHEM	412/412L	Physical Chemistry II (4)
CHEM	422	Advanced Inorganic Chemistry (3)
CHEM	431	Molecular Spectroscopy (3), OR
PHYS	421	Electricity and Magnetism (3),
PHYS	435	Quantum Physics (3)

MINOR: Geochemistry

1. Major in Geology.

2. Chemistry Course Requirements (19 hours)

CHEM	151/151L	General Chemistry I (4)
CHEM	152/152L	General Chemistry II (4)
CHEM	233/233L	Quantitative Analysis (4)
CHEM	321/321L	Inorganic Chemistry (4)
CHEM/GEOL	454	Geochemistry (3)

DEGREE: Bachelor of Science (BS)

MAJOR: Chemistry

LICENSURE: Secondary Science

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV	101	Freshman Seminar (3)
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2. Teaching Degree General Education Requirements (55-56 hours), see page 42.

Fulfill the 12 hour Science requirement by taking the following:

BIOL	152/152L	General Biology II (4)
GEOL	151/151L	Physical Geology (4)
GEOL	152/152L	Historical Geology (4)

Fulfill the 6 hour Math requirement by taking the following:

MATH	110	College Algebra (3)
MATH	124	Calculus I (4), OR
STAT	213	Statistical Methods (4)

3. Professional Education Requirements (30 hours), see page 43.

4. Chemistry Course Requirements (30 hours)

CHEM	151/151L	General Chemistry I (4)
CHEM	152/152L	General Chemistry II (4)
CHEM	233/233L	Quantitative Analysis (4)

CHEM	321/321L	Inorganic Chemistry (4)
CHEM	341/341L	Organic Chemistry I (4)
CHEM	342/342L	Organic Chemistry II (4)
CHEM	452	Biochemistry (3)
CHEM	492	Undergraduate Seminar (1)
In addition choose one of the following:		
CHEM	401/401L	Biochemical Methods (2)
CHEM	402/402L	Electrochemical Techniques (2)
CHEM	403/403L	Electronic Spectroscopy (2)
CHEM	404/404L	Spectroscopic Organic Structural Determination (2)

5. Minor (26 hours)

Teaching of Natural Science, course requirements for Chemistry students taking this major, see below.

MINOR: Teaching of Natural Science

(To be used for Secondary Science Licensure Chemistry major.)

1. Teaching Requirements (10 hours)

BIOL	439	Teaching in Biology (1)
CHEM	439	Teaching in Chemistry (1)
GEOL	439	Teaching in Geology (1)
PHYS	439	Teaching in Physics (1)
SED	380	Secondary School Teaching/Learning (3)
SED	410	Issues in Secondary Teaching (3)

2. Additional Science Courses (16 hours):

BIOL	214/214L	Microbiology (4)
BIOL	151/151L	General Biology I (4)
PHYS	151/151L	General Physics (4)
PHYS	152/152L	General Physics (4)

SUBJECT MATTER ENDORSEMENT

AREA/MINOR: General Science

LICENSURE: Elementary

1. Required Courses (16 hours)

BIOL	113/113L	Biology for General Education (4)
CHEM	113/113L	Chemistry for Today (4)
GEOL	113/113L	The Geological Environment (4)
PHYS	113/113L	Survey of Physics (4)

2. Electives (8 hours)

Choose courses from Life or Physical Sciences. The following courses are recommended:

BIOL	151/151L	General Biology I (4)
BIOL	152/152L	General Biology II (4)
BIOL	214/214L	Microbiology (4)
CHEM	151/151L	General Chemistry I (4)
CHEM	152/152L	General Chemistry II (4)
GEOL	151/151L	Physical Geology (4)
GEOL	152/152L	Historical Geology (4)
GEOL	410	Environmental Geology (3)
GEOL	482	Geology of New Mexico (2)
GEOL	484	Geology of Western National Parks (3)
PHYS	141/141L	Astronomy (4)

Sample Program of Study in the Plan II Chemistry Major

Below is a suggested sequence of courses for the major listed. *This is not an official degree plan.* For specific information, see advisor.

Freshman Year			
Courses		Credit	Hours
		Fall	Spring
CHEM 151/L	General Chemistry I	4	0
CHEM 152/L	General Chemistry II	0	4
ENG 102	English Composition	3	0
MATH 110	College Algebra	4	0
ENG 104	English Composition and Research ..	0	3
MATH 124	Calculus I	0	4
	Physical Education	1	1
	Elective	5	5
		17	17

Sophomore Year			
Courses		Credit	Hours
		Fall	Spring
CHEM 233/233L	Quantitative Analysis	0	4
CHEM 341/341L	Organic Chemistry I	4	0
CHEM 342/342L	Organic Chemistry II	0	4
COMM 101	Interpersonal Communication	3	0
	*Computer Science Elective	3	0
	Humanities/Fine Arts Electives	0	3
	Electives	6	6
		16	17

Junior Year			
Courses		Credit	Hours
		Fall	Spring
CHEM 321/321L	Inorganic Chemistry	4	0
	Social Science Electives	6	0
	Humanities or Fine Arts Elective	0	6
	Electives	6	10
		16	16

Senior Year			
Courses		Credit	Hours
		Fall	Spring
CHEM 401-404	Chem Tech Mini-Course Elective ..	2	0
CHEM 492	Undergraduate Seminar	0	1
CHEM 495	Senior Chemistry Review	1	0
	Upper Division CHEM Elective. ...	0	3
	Electives	14	12
		17	16

*Either Calculus I or a computer language (CS 113, CS 123 not acceptable).

Suggested programs of study for other programs in Chemistry can be obtained from advisors.

Geology

The Geology program is recognized by the American Institute of Professional Geologists as meeting or exceeding the Institute's guidelines for undergraduate programs in geology. The Bachelor of Science degree program with a Geology major prepares a student for graduate study and a professional career in geology. Because specialization is best undertaken at the graduate level, this program stresses basic geologic principles and a strong science and math background as a firm foundation for further study and experience. Students majoring in geology are strongly recommended to select a minor from the fields of biology, chemistry, geochemistry, mathematics, or physics.

The Bachelor of Arts degree program with a Geology major is designed for the student who wishes to study geology as a liberal arts program but who does not intend to become a professional geologist. Without additional mathematics and related science courses, this program will not normally allow a student to take graduate training in geology or find professional employment in geology; instead, the BA program offers a broad view of the earth and provides an academic background necessary for pursuit in fields indirectly related to geology.

The student who plans to teach secondary school science in New Mexico may satisfy Secondary Science Licensure requirements by choosing the Bachelor of Science degree, Geology major with Secondary Science Licensure. These students should check the General Education Requirements for teachers on page 42 and Science Licensure requirements on page 93. Descriptions for GEOL courses begin on page 126.

DEGREE: Bachelor of Science (BS)
MAJOR: Geology

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

2. General Education Requirements (46-50 hours), see page 30.

3. Geology Course Requirements (43-44 hours)

GEOL	151/151L	Physical Geology (4)
GEOL	152/152L	Historical Geology (4)
GEOL	302/302L	Invertebrate Paleontology (4)
GEOL	303/303L	Crystallography-Mineralogy (4)
GEOL	311/311L	Stratigraphy and Sedimentation (4)
GEOL	312/312L	Structural Geology (4)
GEOL	351/351L	Petrology (4)
GEOL	454	Geochemistry (3)
GEOL	465	Senior Research Project (2)

Choose one upper division GEOL elective (3-4 hours).

An off-campus geology summer field camp (similar to GEOL 424), with a minimum credit of 6 hours is also required. The field course chosen by the student **must** be approved by the Geology staff before the student enrolls. Information on field camps should be obtained during the fall semester and enrollment in the program should be attempted early in the spring preceding the summer of the field course matriculation. Students should plan financial arrangements for the field camp as early as possible prior to enrollment in the field course. Financial aid is sometimes available for the summer course through outside funding agencies, but early application is essential. The geology summer camp taught by the department, if taken in the final 32 hours, will count for part of the 32-hour residency requirement.

4. Required courses in related areas (29-31 hours)

CHEM	151/151L	General Chemistry I (4)
CHEM	152/152L	General Chemistry II (4)
PHYS	151/151L	General Physics (4); AND
PHYS	152/152L	General Physics (4); OR
PHYS	201/201L	Physics I (5), AND
PHYS	202/202L	Physics II (5)
MATH	111	Plane Trigonometry (3)
MATH	124	Calculus I (4)

STAT	213	Statistical Methods I (4)
STAT	313	Statistical Methods II (3); OR
MATH	132	Calculus II (4)

DEGREE: Bachelor of Arts (BA)
MAJOR: Geology

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

NOTE: BA candidates must satisfy language requirement (6-14 hours).

2. General Education Requirements (46-50 hours), see page 30.

3. Geology Course Requirements (40-42 hours)

GEOL	151/151L	Physical Geology (4)
GEOL	152/152L	Historical Geology (4)
GEOL	302/302L	Invertebrate Paleontology (4)
GEOL	303/303L	Crystallography-Mineralogy (4)
GEOL	311/311L	Stratigraphy and Sedimentation (4)
GEOL	312/312L	Structural Geology (4)
GEOL	351/351L	Petrology (4)

Two upper division courses in Geology 6-8 hrs

An off-campus geology summer field camp (6 hours minimum).

See above #3 for full explanation.

4. Required courses in related areas (18 hours)

PHYS	113	Survey of Physics (3)
BIOL	113	Biology for General Education (3)
GEOG/ANTH	103	Humans and Their Environments (3)
ANTH	111	The Dawn of Humanity (3)
MATH	111	Plane Trigonometry (3)
STAT	115	Introduction to Statistics and Computer Programming (3)

5. Electives (14-17 hours)

NOTE: Student must complete a minor of at least 15 hours as a requirement of the Bachelor of Arts.

MINOR: Environmental Geology

1. Geology Course Requirements (14 hours)

GEOL	113/113L	The Geological Environment (4), OR
GEOL	151/151L	Physical Geology (4)
GEOL	123/123L	Earth Resources (4)
GEOL	410	Environmental Geology (3)
GEOL	420	Environmental Geochemistry (3), OR
GEOL	454	Geochemistry (3)

2. Additional Science Courses (8 hours)

AG	204/204L	Soils (4), OR
GEOL	311/311L	Stratigraphy and Sedimentation (4)
BIOL	303/303L	General Ecology (4)

MINOR: Geology

Geology Course Requirements (17 hours)

GEOL electives to be coordinated with student's major field and approved by geology advisor.

MINOR: Geochemistry

1. Major in Chemistry.

2. Geology Course Requirements (19 hours)

GEOL	151/151L	Physical Geology (4)
GEOL	303/303L	Crystallography-Mineralogy (4)
GEOL	351/351L	Petrology (4)
GEOL	417/417L	Economic Geology (4)
GEOL	454	Principles of Geochemistry (3)

MINOR: Geophysics**1. Major in Physics.****2. Geology Course Requirements (20 hours)**

GEOL	151/151L	Physical Geology (4)
GEOL	152/152L	Historical Geology (4)
GEOL	311/311L	Stratigraphy and Sedimentation (4)
GEOL	312/312L	Structural Geology (4)
GEOL	450/450L	Principles of Geophysics (4)

DEGREE: Bachelor of Science (BS)**MAJOR: Geology****LICENSURE: Secondary Science****1. Bachelor's Degree Requirements, see page 28.**

Includes:

UNIV	101	Freshman Seminar (3)
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2. Teaching Degree General Education Requirements (55-56 hours), see page 42.

Fulfill the 12 hour Science requirement by taking the following:

BIOL	152/152L	General Biology II (4)
PHYS	151/151L	General Physics (4)
PHYS	152/152L	General Physics (4)

Fulfill the 6 hour Math requirement by taking the following:

MATH	111	Plane Trigonometry (3)
STAT	213	Statistical Methods I (4)

3. Professional Education Requirements (30 hours), see page 43.**4. Geology Course Requirements (35-36 hours)**

GEOL	151/151L	Physical Geology (4)
GEOL	152/152L	Historical Geology (4)
GEOL	302/302L	Invertebrate Paleontology (4)
GEOL	303/303L	Crystallography-Mineralogy (4)
GEOL	351/351L	Petrology (4)
GEOL	424	Geology Summer Field Camp (8)
PHYS	141/141L	Astronomy (4)

In addition choose one of the following:

GEOL	304/304L	Geomorphology (4)
GEOL	311/311L	Stratigraphy and Sedimentation (4)
GEOL	312/312L	Structural Geology (4)
GEOL	410	Environmental Geology (3)
GEOL	454	Geochemistry (3)

5. Minor (26 hours)

Teaching of Natural Science, course requirements for Geology students, see below.

MINOR: Teaching of Natural Science**(To be used for Secondary Science Licensure with the Geology major.)****1. Teaching Requirements (10 hours)**

BIOL	439	Teaching in Biology (1)
CHEM	439	Teaching in Chemistry (1)
GEOL	439	Teaching in Geology (1)
PHYS	439	Teaching in Physics (1)
SED	380	Secondary School Teaching/Learning (3)
SED	410	Issues in Secondary Teaching (3)

2. Additional Science Courses (16 hours)

BIOL	151/151L	General Biology I (4)
BIOL	214/214L	Microbiology (4)
CHEM	151/151L	General Chemistry I (4)
CHEM	152/152L	General Chemistry II (4)

SUBJECT MATTER ENDORSEMENT**AREA/MINOR: General Science****LICENSURE: Elementary****1. Required Courses (16 hours)**

BIOL	113/113L	Biology for General Education (4)
CHEM	113/113L	Chemistry for Today (4)
GEOL	113/113L	The Geological Environment (4)
PHYS	113/113L	Survey of Physics (4)

2. Electives (8 hours)

Choose courses from Life or Physical Sciences. The following courses are recommended:

BIOL	151/151L	General Biology I (4)
BIOL	152/152L	General Biology II (4)
BIOL	214/214L	Microbiology (4)
CHEM	151/151L	General Chemistry I (4)
CHEM	152/152L	General Chemistry II (4)
GEOL	151/151L	Physical Geology (4)
GEOL	152/152L	Historical Geology (4)
GEOL	410	Environmental Geology (3)
GEOL	482	Geology of New Mexico (2)
GEOL	484	Geology of Western National Parks (3)
PHYS	141/141L	Astronomy (4)

Sample Program of Study in Geology for Bachelor of Science (BS) Degree

Below is a suggested sequence of courses for the major listed. *This is not an official degree plan.* For specific information, see advisor.

Freshman Year			
Courses		Credit	Hours
		Fall	Spring
GEOL	151/151L Physical Geology	4	0
GEOL	152/152L Historical Geology	0	4
GEOL	324 *Regional Field Geology	0	1
CHEM	151/151L General Chemistry I	4	0
ENG	102 or 108 English Composition	3	0
COMM	101/101L Interpersonal Communication .	3	0
CHEM	152/152L General Chemistry II	0	4
ENG	104 or 109 English Comp & Research	0	3
	HPE Elective	1	1
	Fine Arts Elective	0	3
		15	16

Sophomore Year			
Courses		Credit	Hours
		Fall	Spring
GEOL	303/303L Crystallography-Mineralogy	4	0
PHYS	151/151L General Physics	4	0
MATH	124 Calculus I	4	0
PHYS	152/152L General Physics	0	4
MATH	132 Calculus II	0	4
GEOL	324 *Regional Field Geology	0	1
GEOL	351/351L Petrology	0	4
	Social Science Elective	3	3
	Life Science Elective	3	0
		18	16

Junior Year			
Courses		Credit	Hours
		Fall	Spring
GEOL	302/302L Invertebrate Paleontology	4	0
STAT	213 Statistical Methods	4	0
GEOL	311/311L Stratigraphy and Sedimentation .	0	4
GEOL	312/312L Structural Geology	0	4
GEOL	324 *Regional Field Geology	0	1
	Humanities Elective	0	3
	Humanities/Fine Arts Elective	3	0
	Elective or Minor	6	4
		17	16

Senior Year			
Courses		Credit	Hours
		Fall	Spring
GEOL	465 Senior Research Report	2	0
GEOL	324 *Regional Field Geology	0	1
GEOL	454 Geochemistry	0	3
	Social Science Elective	4	0
	Elective or Minor	8	12
		14	16

*GEOL 324 Regional Field Geology IS NOT REQUIRED, but the field experience is strongly recommended and the course may be repeated for up to 4 hours of credit. A Summer Field Camp similar to GEOL 424 is taken in addition to the listed courses. This course should be taken any time after the second year when possible.

PHYSICAL SCIENCES

At ENMU, Physical Science courses are offered as service courses to the General Education program and those majors requiring or recommending its use. Descriptions for PHSC courses begin on page 137.

PHYSICS

Two major programs are offered for the student in physics. The Physics major (Graduate School Preparation) prepares the student for graduate study in physics and related areas. The Physics major (Applications Preparation) prepares the student for a technical position in many fields of science and technology. The curriculum in both programs emphasizes basic principles and practical laboratory experience, with opportunity for working on individual projects and research problems. Some latitude of choice among required courses and electives allows the student to explore related fields and to concentrate on either theoretical or applied physics courses.

A Physics major should plan to start introductory physics and calculus no later than the sophomore year. The physics student should be aware that the introductory physics courses begin only in the fall semester and that most upper division courses are offered every other year. A student majoring in physics should select a minor in mathematics, computer science, chemistry, geology or biology.

The student who plans to teach secondary school science in New Mexico may satisfy Secondary Science Licensure requirements by choosing the Bachelor of Science degree, Physics major with Secondary Science Licensure. These students should check the General Education Requirements for teachers listed on page 42 and Science Licensure requirements listed on pages 40-41. Descriptions of PHYS courses begin on page 137.

DEGREE: Bachelor of Science (BS)
MAJOR: Physics (Graduate School Preparation)

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

2. General Education Requirements (46-50 hours), see page 30.

3. Physics Course Requirements (37 hours)

PHYS 201/201L Physics I (5), **AND**

PHYS 202/202L Physics II (5), **OR**
 (preferably 201/202 sequence)

PHYS 151/151L General Physics (4), **AND**

PHYS 152/152L General Physics (4)

PHYS 301 Modern Physics (3)

PHYS 303 Mechanics I (3)

PHYS 304 Mechanics II (3)

PHYS 305L Advanced Physics Laboratory (2)

PHYS 411 Physical Chemistry I/Thermodynamics (3)

PHYS 421 Electricity and Magnetism (3)

PHYS 435 Quantum Physics (3)

PHYS 465 Senior Research Report (2)

Upper division PHYS electives (5-7)

4. Required Courses in Related Areas (15 hours)

MATH 124 Calculus I (4)

MATH 132 Calculus II (4)

MATH 202 Calculus III (4)

One programming language course (3)

5. Electives (21 hours)

NOTE: Student must complete a minor of at least 15 hours as a requirement of the Bachelor of Science.

The following courses are recommended as electives:

MATH 351 Ordinary Differential Equations (3)

MATH 352 Introduction to Linear Algebra (3)

MATH 407 Introduction to Complex Variables (3)

MATH 409 Numerical Analysis I (3)

MATH 423 Partial Differential Equations I (3)

ENG 325 Professional and Technical Writing (3)

Courses in Programming, Chemistry

DEGREE: Bachelor of Science (BS)
MAJOR: Physics (Applications Preparation)

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

2. General Education Requirements (46-50 hours), see page 30.

3. Physics Course Requirements (33-35 hours)

PHYS 201/201L Physics I (5), **AND**

PHYS 202/202L Physics II (5), **OR**
 (preferably 201-202 sequence)

PHYS 151/151L General Physics (4), **AND**

PHYS 152/152L General Physics (4)

PHYS 301 Modern Physics (3)

PHYS 303 Mechanics I (3)

PHYS 304 Mechanics II (3)

PHYS 305L Advanced Physics Laboratory (2)

PHYS 331/331L Optics (4)

PHYS 411 Physical Chemistry I/Thermodynamics (3)

PHYS 465 Senior Research Report (2)

Upper division PHYS electives (3-5)

4. Required Courses in Related Areas (18 hours)

MATH 124 Calculus I (4)

MATH 132 Calculus II (4)

MATH 202 Calculus III (4)

One programming course (3)

EET 241/241L Logic Circuits (3)

5. Electives (24-27 hours)

NOTE: Student must complete a minor of at least 15 hours as a requirement of the Bachelor of Science.

The following elective courses are recommended:

ENG 325 Professional and Technical Writing (3)

MATH or CHEM or BUS courses

MINOR: Physics

1. Physics Course Requirements (22 hours)

PHYS 151/151L General Physics (4), **AND**

PHYS 152/152L General Physics (4), **OR**

PHYS 201/201L Physics I (5), **AND**

PHYS 202/202L Physics II (5)

PHYS 301 Modern Physics (3)

PHYS 303 Mechanics I (3)

PHYS 305L Advanced Physics Laboratory (2)

PHYS electives (4-6)

2. Required Courses in Related Areas (8 hours)

MATH 124 Calculus I (4)

MATH 132 Calculus II (4)

MINOR: Chemical Physics

1. Professional major in chemistry.

2. Physics Course Requirements (16 hours)

PHYS 303 Mechanics I (3)

PHYS 304 Mechanics II (3)

PHYS 331/331L Optics (4)

PHYS 421 Electricity and Magnetism (3)

PHYS 435 Quantum Physics (3)

MINOR: Geophysics

1. A major in geology.

2. Physics Course Requirements (17-19 hours)

PHYS 151/151L General Physics (4), **AND**

PHYS 152/152L General Physics (4), **OR**

PHYS 201/201L Physics I (5), **AND**

PHYS 202/202L Physics II (5)

PHYS 303 Mechanics I (3) (requires MATH 124)

PHYS 305L Advanced Physics Laboratory (2)

PHYS 450/450L Principles of Geophysics (4)

DEGREE: Bachelor of Science (BS)
MAJOR: Physics
LICENSURE: Secondary Science

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

2. Teaching Degree General Education Requirements (55-56 hours), see page 42.

Fulfill the 12 hour Science requirement by taking the following:

BIOL 152/152L General Biology II (4)
 GEOL 151/151L Physical Geology (4)
 GEOL 152/152L Historical Geology (4)
 MATH 124 Calculus I (4), (requires MATH 110)

3. Professional Education Requirements (30 hours), see page 43.

4. Physics Course Requirements (33 hours)

PHYS 113/113L Survey of Physics (4)
 PHYS 151/151L General Physics (4), **AND**
 PHYS 152/152L General Physics (4), **OR**
 PHYS 201/201L Physics I (5), **AND**
 PHYS 202/202L Physics II (5)
 PHYS 301 Modern Physics (3)
 PHYS 303 Mechanics I (3)
 PHYS 305L Advanced Physics Laboratory (2)

Upper division PHYS electives

5. Minor (26 hours).

Teaching of Natural Science, course requirements for Physics students, see below.

MINOR: Teaching of Natural Science (To be used for Secondary Science Licensure with the Physics major.)

1. Teaching Requirements (10 hours)

BIOL 439 Teaching in Biology (1)
 CHEM 439 Teaching in Chemistry (1)
 GEOL 439 Teaching in Geology (1)
 PHYS 439 Teaching in Physics (1)
 SED 380 Secondary School Teaching/Learning (3)
 SED 410 Issues in Secondary Teaching (3)

2. Additional Science Courses (16 hours)

BIOL 151/151L General Biology I (4)
 BIOL 214/214L Microbiology (4)
 CHEM 151/151L General Chemistry I (4)
 CHEM 152/152L General Chemistry II (4)

(Some courses require pre-requisites.)

SUBJECT MATTER ENDORSEMENT

AREA/MINOR: General Science

LICENSURE: Elementary

1. Required Courses (16 hours)

BIOL 113/113L Biology for General Education (4)
 CHEM 113/113L Chemistry for Today (4)
 GEOL 113/113L The Geological Environment (4)
 PHYS 113/113L Survey of Physics (4)

2. Electives (8 hours)

Choose courses from Life or Physical Sciences. The following courses are recommended:

BIOL 151/151L General Biology I (4)
 BIOL 152/152L General Biology II (4)
 BIOL 214/214L Microbiology (4)
 CHEM 151/151L General Chemistry I (4)
 CHEM 152/152L General Chemistry II (4)
 GEOL 151/151L Physical Geology (4)
 CHEM 406/406L Scientific Equipment Design (2)

3 hours upper division electives

4. Required courses in related areas (6-7 hours)

MATH 110 College Algebra (3)
 MATH 124 Calculus I (4), **OR**

A computer language course

5. Required Capstone Course (1 hour)

CHEM 495 Senior Chemistry Review (1)

**Suggested Program of Study in Physics
 (Graduate Study Preparation)**

Below is a suggested sequence of courses for the major listed. *This is not an official degree plan.* For specific information, see advisor.

Freshman Year

Courses			Credit Hours
MATH 124	Calculus I		4
MATH 132	Calculus II		4
PHYS 113/113L	Survey of Physics		4
PHYS 293	Topics in Physics		1
CS 123	Programming Fundamentals		3
ENG 102	English Composition		3
ENG 104	English Composition and Research		3
COMM 102	Public Speaking		3
CS 131	Programming in FORTRAN		3
	Social Science Electives		6
			34

Sophomore Year

Courses			Credit Hours
PHYS 201/201L	Physics I		5
PHYS 202/202L	Physics II		5
MATH 121	Finite Math		3
MATH 202	Calculus III		4
	Physical Education Electives		2
	Social Science Elective		3
	Non-major/minor Elective		3
	Electives		9
			34

Junior Year

Courses			Credit Hours
PHYS 303	Mechanics I		3
PHYS 304	Mechanics II		3
PHYS 305L	Advanced Physics Laboratory		2
PHYS/CHEM 411	Physical Chemistry I/Thermodynamics		3
MATH 351	Ordinary Differential Equation		3
MATH 352	Introduction to Linear Algebra		3
MATH 423	Partial Differential Equations		3
	Fine Arts/Humanities Elective		3
	Electives		9
			32

Senior Year

Courses			Credit Hours
MATH 409	Numerical Analysis I		3
PHYS 421	Electricity and Magnetism		3
PHYS 435	Quantum Physics		3
PHYS 465	Senior Research Report		2
	Physics Electives		3
	Fine Arts/Humanities Electives		6
	Math Electives		3
	Electives		3
			26

DEPARTMENT OF POLITICAL SCIENCE

Associate

Professors:

Dan Acheson-Brown
Sue Strickler

POLITICAL SCIENCE

Political science is the study of government, public policy, and the political behavior of individuals and groups. Political Science uses both humanistic and scientific perspectives and skills to examine the United States, all countries and regions of the world, and international relations. Political Science majors acquire skills in writing, communication, and analysis. A major in Political Science is prepared to think independently, with tolerance for others and concern for current affairs.

Political Science majors qualify for many different careers in private and public sector organizations, including careers in business, the law, state, local, and federal government, journalism, international organizations and finance, political campaigns, interest groups and associations, and pre-college and college teaching.

Political Science training also provides valuable preparation for participating in community organizations, electoral politics, movements on behalf of specific policies, or even seeking elected or appointed positions in government. Descriptions for PSCI courses begin on page 138.

DEGREE: Bachelor of Arts (BA) or Bachelor of Science (BS)

MAJOR: Political Science

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

NOTE: BA candidates must satisfy language requirement (6-14 hours).

2. General Education Requirements (46-50 hours), see page 30.

We recommend the following courses be included in the student's

General Education courses:

ECON 221 Principles of Macro Economics (3)

ANTH 233 People and Cultures of the World (3)

3. Political Science Course Requirements (36 hours)

A. Core Requirements:

PSCI 101 Introduction to Political Science (3)

PSCI 102 American National Government (3)

PSCI 200 Political Science Research Methods (3)

PSCI 207 Introduction to Comparative Politics (3)

PSCI 480 Political Science Senior Seminar (3)

B. 3 hours in each of the followings:

1. Political Thought and Theory:

PSCI 306 Contemporary Political Ideologies (3)

PSCI 401 Classical Political Thought (3)

PSCI 411 Modern Political Thought (3)

2. American Government and Politics:

PSCI 302 Constitutional Law (3)

PSCI 314 Legislative Behavior (3)

PSCI 315 The Presidency (3)

PSCI 422 Political Parties and Elections (3)

3. Comparative Government and International Relations:

PSCI 303 Comparative Foreign Policy (3)

PSCI 304 International Relations (3)

PSCI 443 Comparative Governments (3)

PSCI 473 Development Politics (3)

4. Public Administration and Public Policy:

PSCI 321 Public Policy Process (3)

PSCI 332 Public Administration (3)

PSCI 405 Issues in Public Administration (3)

PSCI 410 Public Policy Issues (3)

C. 9 hours PSCI electives (Only 3 hours of PSCI 487 Internship may count as elective hours toward the major.)

For those planning to continue on to graduate work, serious consideration should be given to the study of a foreign language and an advanced methodological techniques course.

4. Electives (31-45 hours)

NOTE: Student must complete a minor of at least 15 hours as a requirement of the Bachelor of Arts or Bachelor of Science.

MINOR: Political Science

1. Political Science Course Requirements (24 hours)

A. Core Requirements:

PSCI 101 Introduction to Political Science (3)

PSCI 102 American National Government (3)

PSCI 200 Political Science Research Methods (3)

PSCI 207 Introduction to Comparative Politics (3)

B. 3 hours in each of the following areas:

1. Political Thought and Theory:

PSCI 306 Contemporary Political Ideologies (3)

PSCI 401 Classical Political Thought (3)

PSCI 411 Modern Political Thought (3)

2. American Government and Politics:

PSCI 302 Constitutional Law (3)

PSCI 314 Legislative Behavior (3)

PSCI 315 The Presidency (3)

PSCI 422 Political Parties and Elections (3)

3. Comparative Government and International Relations:

PSCI 303 Comparative Foreign Policy (3)

PSCI 304 International Relations (3)

PSCI 443 Comparative Governments (3)

PSCI 473 Development Politics (3)

4. Public Administration and Public Policy:

PSCI 321 Public Policy Process (3)

PSCI 332 Public Administration (3)

PSCI 405 Issues in Public Administration (3)

PSCI 410 Public Policy Issues (3)

DEPARTMENT OF PSYCHOLOGY, SOCIOLOGY, & CRIMINAL JUSTICE

Professors:	Fred Cordova Reneé Neely
Associate Professors:	V. Scott Johnson Paul Lockman, Jr. Elizabeth Self Richard Willen
Assistant Professors:	Rosemary Bahr Leslie Gill

PSYCHOLOGY

Psychology offers the associate of arts, the bachelor of science or the bachelor of arts degree in psychology. Psychology may also be taken as a secondary or special education teaching area minor, or as a regular minor.

The faculty in Psychology are committed to a philosophy of teaching that encourages understanding and appreciation of individuals, their unique array of talents and skills, and their cultural heritage. In addition, the faculty are committed to accurate disclosure of professional training requirements for psychologists, and to giving clear advising on career options in fields related to psychology, such as counseling.

Psychology requires that practitioners receive graduate level training in order to practice professionally. Thus, a bachelor's degree in psychology, from this university or any other, does not prepare the student for a professional career in psychology (or counseling) without further training.

Psychology offers several emphases within the major. Within the core requirements listed below, some course choices are offered. The choices are designed to align with a student's chosen emphasis. Also, electives should be chosen to conform with one of these emphases, to assure the best possible preparation for the student's planned pursuits after graduation.

Upon declaring a major in psychology all students should meet with a member of the Psychology faculty immediately to discuss the emphases within the major and to discuss the utility of the undergraduate degree in psychology.

Descriptions of PSY courses begin on page 139.

DEGREE: Associate of Arts (AA)
MAJOR: Psychology

- 1. Associate Degree Requirements, see page 28.**
Includes:
UNIV 101 Freshman Seminar (3)
- 2. General Education Requirements (38 hours), see page 30.**
- 3. Psychology Course Requirements (21 hours)**
PSY 101 Introductory Psychology (3)
PSY 134 Psychology of Adjustment (3)
PSY 201 Child Psychology (3)
PSY 202 Adolescent Psychology (3)
9 hours electives in Psychology
- 4. Electives (2 hours)**

DEGREE: Bachelor of Arts (BA) or Bachelor of Science (BS)
MAJOR: Psychology

- 1. Bachelor's Degree Requirements, see page 28.**
Includes:
UNIV 101 Freshman Seminar (3)
NOTE: BA candidates must satisfy language requirement (6-14 hours).
- 2. General Education Requirements (46-50 hours), see page 30.**
Must include STAT 213.

3. Psychology Course Requirements (36 hours)

PSY 101	Introductory Psychology (3)
one of the following three:	
PSY 201	Child Psychology (3), OR
PSY 202	Adolescent Psychology (3), OR
PSY 300	Psychology of Adult Development (3)
*PSY 335	Introduction to Psychological Statistics (3)
*PSY 336	Experimental Psychology (3)
one of the following two, depending on the emphasis chosen:	
PSY 324	Social Psychology (3), OR
PSY 301	Paraprofessional Helping Skills (3)
PSY 402	Abnormal Psychology (3)
PSY 411	Theories of Personality (3)
one of the following three, depending on the emphasis chosen:	
PSY 430	Seminar in Behavior Analysis (3). OR
PSY 452	Educational Psychology (3), OR
PSY 481	Advanced Social Psychology (3)
PSY 467	Physiological Psychology (3)

Electives in Psychology (9) Note: at least 6 hours must be upper division. See the emphases for suggested electives and consult with your advisor.

***These courses should be taken before the senior year. If a student waits until the senior year, the courses may be full and graduation may be delayed for a full year.**

4. Electives (24-39 hours) The number of additional elective hours depends upon the number of hours chosen for the minor, and the choice of B.A. or B.S.

NOTE: Student must complete a minor of at least 15 hours as a requirement of the Bachelor of Arts or Bachelor of Science. Students are also reminded of the Bachelor's Degree requirements listed on page 28, with special emphasis on the 128 hour minimum total and the 40 hour minimum upper division requirement.

MINOR: Psychology

Psychology Course Requirements (21 hours)

PSY 101	Introductory Psychology (3)
one of the following three:	
PSY 201	Child Psychology (3), OR
PSY 202	Adolescent Psychology (3), OR
PSY 300	Psychology of Adult Development (3)
one of the following two:	
PSY 301	Paraprofessional Helping Skills (3) OR
PSY 324	Social Psychology (3)
PSY 402	Abnormal Psychology (3)
PSY 411	Theories of Personality (3)

SUBJECT MATTER ENDORSEMENT

AREA/MINOR: Psychology

LICENSURE: Secondary Only

Psychology Course Requirements (24 hours)

PSY 101	Introductory Psychology (3)
PSY 202	Adolescent Psychology (3)
PSY 402	Abnormal Psychology (3)
PSY 411	Theories of Personality (3)
PSY 452	Educational Psychology (3)
PSY 467	Physiological Psychology (3)
HIST/PSY 409	Teaching Social Studies (3)
Three hours of elective in Psychology	

SUBJECT MATTER ENDORSEMENT**AREA/MINOR:** Psychology**LICENSURE:** Special Education Only**Psychology Course Requirements (24 hours)**

PSY	101	Introductory Psychology (3)
one of the following two:		
PSY	201	Child Psychology (3), OR
PSY	202	Adolescent Psychology (3)
PSY	402	Abnormal Psychology (3)
PSY	411	Theories of Personality (3)
PSY	452	Educational Psychology (3)
PSY	467	Physiological Psychology (3)
HIST/PSY	409	Teaching Social Studies (3)
Three hours of elective in Psychology		

DEGREE: Bachelor of Arts (BA) or Bachelor of Science (BS)**MAJOR:** Social Studies**LICENSURE:** Secondary Social Studies

The teaching areas are anthropology, economics, geography, political science, and sociology. The 36-hour Social Studies major will prepare a student for endorsement in general social studies.

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV	101	Freshman Seminar (3)
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NOTE: BA candidates must satisfy language requirement (6-14 hours).

2. Teaching Degree General Education Requirements (55-56 hours), see page 42.

Must include:

HIST	101	Survey of American History to 1877 (3)
HIST	102	Survey of American History since 1877 (3)
HIST	121	Survey of Western Civilization (3)
HIST	122	Survey of Western Civilization (3)
PSCI	102	American National Government (3)

3. Professional Education Requirements (33 hours), see page 43.

Must include:

HIST	409	Teaching Social Studies (3)
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4. Social Studies Course Requirements (36 hours)

ANTH/GEOG	103	Humans and Their Environments (3)
ANTH	111	The Dawn of Humanity (3)
ANTH	123	New Mexico: Enchanted Lands & Diverse Cultures (3)
ANTH	233	People and Cultures of the World (3)
ECON	221	Principles of Macro Economics (3)
ECON	222	Principles of Micro Economics (3)
PSCI	101	Introduction to Political Science (3)
PSCI	207	Introduction to Comparative Politics (3)
PSCI	302	Constitutional Law (3)
PSCI	443	Comparative Governments (3)
PSCI	200	Political Science Research Methods (3), OR
SOC	434	Introduction to Social Research (3)
SOC	320	Social and Cultural Change (3)

5. Subject Matter Endorsement Area/Minor (24 hours)

See page 43 for ENMU recommended subject matter endorsement area/minors.

NOTE: Another Secondary Social Studies licensure option is found on page 79.

SUBJECT MATTER ENDORSEMENT**AREA/MINOR:** Social Studies**LICENSURE:** Elementary Only

HIST 203 is the only class taken in the general education sequence that will count for the emphasis area in Social Studies.

1. General Education Requirements must include, see page 30:

HIST	101	Survey of American History to 1877 (3)
HIST	102	Survey of American History since 1877 (3)
HIST	121 or 122	Survey of Western Civilization (3)
HIST	203	New Mexico (3)

2. Social Studies Course Requirements (24 hours)

The following 6 hours required:

HIST	121 or 122	Survey of Western Civilization (3) (whatever course not taken in general education requirements)
HIST	203	New Mexico (3)
HIST	409	Teaching Social Studies (3)

15 hours from the following recommended courses (three different disciplines should be represented).

PSCI	101	Introduction to Political Science (3)
PSCI	102	American National Government (3)
PSCI	200	Political Science Research Methods (3)
PSCI	306	Contemporary Political Ideologies (3)
SOC	101	Introductory Sociology (3)
SOC	215	Marriage and the Family (3)
SOC	302	Racial and Ethnic Relations (3)
SOC	305	Sex Roles in Society (3)
SOC	315	Social Inequality (3)
SOC	320	Social and Cultural Change (3)
SOC	324	Social Psychology (3)
SOC	402	Development of Social Thought (3)
SOC	415	Sociology of the Family (3)
SOC	435	Sociology of Education (3)
ANTH/GEOG	103	Humans & Their Environment (3)
ANTH	111	The Dawn of Humanity (3)
ANTH	123	New Mexico: Enchanted Lands and Diverse Cultures (3)
ANTH	205	Women in Cross-Cultural Perspective (3)
ANTH/GEOG	233	People and Cultures of the World (3)
ANTH	340	Indians of North America (3)
ANTH	401	Indians of the Plains (3)
ECON	221	Principles of Macro Economics (3)
ECON	222	Principles of Micro Economics (3)

SUBJECT MATTER ENDORSEMENT**AREA/MINOR:** Social Studies**LICENSURE:** Special Education Only

Courses taken in the general education sequence will not count for the endorsement area.

1. General Education Requirements must include:

HIST	101	Survey of American History to 1877 (3)
HIST	102	Survey of American History since 1877 (3)
HIST	121	Survey of Western Civilization (3) OR
HIST	122	Survey of Western Civilization (3)
HIST	203	New Mexico (3)

2. Social Studies Course Requirements (24 hours)

HIST	121	Survey of Western Civilization (3) OR
HIST	122	Survey of Western Civilization (3)
HIST	409	Teaching Social Studies (3)
PSCI	101	Introduction to Political Science (3)
SOC	101	Introductory Sociology (3)
SOC	215	Marriage and the Family (3)
ANTH	111	The Dawn of Humanity (3)
ANTH	123	New Mexico: Enchanted Lands and Diverse Cultures (3)
ECON	221	Principles of Macro Economics (3)

Sociology

Sociology studies the social forces and influences that structure human activity and experience. The discipline gives particular attention to configurations of groups and relationships as well as routines of everyday and organized social life. By examining, in addition, cultural values and meanings through which humans express and define themselves, Sociology offers special insight of how larger social and cultural patterns infuse peoples' lives. Having as its core a comparative methodology, multi-cultural, cross-cultural, and global perspectives are central. Students may major or minor in Sociology.

Descriptions of SOC courses begin on page 140.

DEGREE: Bachelor of Arts (BA) or Bachelor of Science (BS)
MAJOR: Sociology

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

NOTE: BA candidates must satisfy language requirement (6-14 hours).

2. General Education Requirements (46-50 hours), see page 30.

3. Sociology Course Requirements (33 hours)

SOC 101 Introductory Sociology (3)

SOC 434 Introduction to Social Research (3)

3 hours in each of the following categories:

a. Social Stratification:

SOC 302 Racial and Ethnic Relations (3)

SOC 305 Sex Roles in Society (3)

SOC 315 Social Inequality (3)

b. Social Institutions:

SOC 413 Urban Sociology (3)

SOC 414 Sociology of Religion (3)

SOC 415 Sociology of the Family (3)

SOC 435 Sociology of Education (3)

c. Social Psychology:

SOC 324 Social Psychology (3)

SOC 431 Deviant Behavior (3)

d. Social Dynamics:

SOC 311 Collective Behavior (3)

SOC 320 Social and Cultural Change (3)

e. Theory:

SOC 402 Development of Social Thought (3)

SOC 411 Contemporary Sociological Theory (3)

12 hours of SOC electives, at least 6 hours of which must be upper division

4. Required courses in other areas (4 hours)

STAT 213 Statistical Methods I (4)

5. Electives (23-38 hours)

NOTE: Student must complete a minor of at least 15 hours as a requirement of the Bachelor of Arts or Bachelor of Science. Sociology majors may not select Criminal Justice for a minor.

MINOR: Sociology

Sociology Course Requirements (21 hours)

SOC 101 Introductory Sociology (3)

SOC 434 Introduction to Social Research (3)

SOC 402 Development of Social Thought (3), **OR**

SOC 411 Contemporary Sociological Theory (3)

12 hours SOC electives, at least 9 of which must be upper division.

Criminal Justice

The discipline of Criminal Justice studies the nature, types, causes, conditions and consequences of crime in society. The program devotes significant attention to society's organized response to crime in the form of police, courts, judicial processes, and corrections. Closely allied to Sociology in both content and perspective, a comparative orientation highlights cross-cultural differences in how societies conceptualize crime and administer justice. Issues and problems of crime in society are considered throughout the Criminal Justice curriculum. Including an internship, the Criminal Justice program offers student preparation for careers in criminal justice or related fields. Students may major or minor in Criminal Justice. Descriptions of CJ courses begin on page 117.

DEGREE: Bachelor of Arts (BA) or Bachelor of Science (BS)
MAJOR: Criminal Justice

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

NOTE: BA candidates must satisfy language requirement (6-14 hours).

2. General Education Requirements (46-50 hours), see page 30.

3. Criminal Justice Course Requirements (34 hours)

Required Courses (16 hours)

SOC 101 Introductory Sociology (3)

CJ 102 Introduction to Criminal Justice (3)

SOC 302 Racial and Ethnic Relations (3)

CJ 434 Introduction to Social Research (3)

CJ 489 Internship (4)

Criminal Justice Electives (12 hours at least 6 of which must be upper division)

Sociology Electives (6 hours selected from the following, at least 3 of which must be upper division)

SOC 212 Contemporary Social Issues (3)

SOC 413 Urban Sociology (3)

SOC 415 Sociology of the Family (3)

4. Required courses in other areas (4 hours)

STAT 213 Statistical Methods I (4)

5. Electives (37-41 hours)

Note: Students must complete a minor of at least 15 hours as a requirement of the BA or BS.

Criminal Justice majors may not select Sociology for a minor.

MINOR: Criminal Justice

Criminal Justice Course Requirements (21 hours)

Required courses (9 hours)

SOC 101 Introductory Sociology (3), **OR**

SOC 212 Contemporary Social Issues (3)

CJ 102 Introduction to Criminal Justice (3)

CJ 434 Introduction to Social Research (3)

Criminal Justice Electives (9 hours at least 6 of which must be upper division)

Sociology Electives (3 hrs. selected from the following)

SOC 302 Racial and Ethnic Relations (3)

SOC 413 Urban Sociology (3)

SOC 415 Sociology of the Family (3)

Suggested Program of Study for Bachelor of Science (BS) in Psychology

Below is a suggested sequence of courses for the major listed. *This is not an official degree plan.* For specific information, see advisor or records clerk. Note: some required courses may be offered only on Saturdays or evenings.

Freshman Year				
Courses			Credit Fall	Hours Spring
PSY	101	Introductory Psychology	3	or 3
PSY 201/202		Developmental Psychology Track	3	or 3
STAT	213	Statistical Methods I	4	or 4
		General Education	6-16	6-16
			16	16

Sophomore Year				
Courses			Credit Fall	Hours Spring
PSY	335	Intro. to Psychological Statistics	3	0
PSY	336	Experimental Psychology	0	3
PSY	324	Social Psychology OR	3	0
PSY	301	Paraprofessional Helping Skills.	3	or 3
		General Education (beginning work on a minor area is encouraged) ...	11-14	11-14
			17	17

Junior Year				
Courses			Credit Fall	Hours Spring
PSY	430	Seminar in Behavior Analysis, OR ..	3	0
PSY	452	Educational Psychology, OR	0	3
PSY	481	Advanced Social Psychology*	3	0
		Psychology Electives	6	3
		General Ed., minor, other electives	6	9-12
			15	15

*PSY 481 is offered alternate Falls only

Senior Year				
Courses			Credit Fall	Hours Spring
PSY	402	Abnormal Psychology	3	or 3
PSY	411	Theories of Personality	0	3
PSY	467	Physiological Psychology	3	or 3
		General Ed., minor, other electives	10-16	7-13
			16	16

DEPARTMENT OF RELIGION

Assistant Professors: W. Douglas Mills
Shirley Rollinson

Instructors: Greg DeMarco
Tobin Hitt
Scott Jarvis
Edwin D. Overton

The academic program of religion is maintained through the cooperative interests of the Baptist Church, Christian Church, Church of Christ, Episcopal Church, United Methodist Church, Presbyterian Church, and Roman Catholic Church. Each church has established a Bible Chair or a Chair of Religion with its own facilities adjacent to the campus. The program is organized with the needs of several types of students in mind: (1) any student, a non-major in religion, wishing to develop religious insight and understanding as part of his/her cultural background; (2) the prospective religious worker not planning to pursue graduate theological study but desiring to major in religion during his/her undergraduate work; (3) the prospective religious worker planning to attend a graduate school of religion.

A student may counsel with a professor in any one of the chairs to arrange his/her studies in religion. The student is encouraged to take courses with more than one chair.

Courses offer a wide variety of subjects including archaeology, the Bible, church history, Greek, Hebrew, homiletics, philosophy of religion, sociology of religion, psychology of religion, and world religions. Descriptions of REL courses begin on page 140.

DEGREE: Bachelor of Arts (BA) or Bachelor of Science (BS)
MAJOR: Religion

1. Bachelor's Degree Requirements, see page 28.

Includes:

UNIV 101 Freshman Seminar (3)

NOTE: BA candidates must satisfy language requirement (6-14 hours).

2. General Education Requirements (46-50 hours), see page 30.

3. Religion Course Requirements (28 hours)

REL 101 Old Testament Survey (3)

REL 103 New Testament Survey (3)

REL 231 History of the Christian Church (3)

REL 495 Senior Seminar (1)

18 hours REL electives (a minimum of 12 hours to be upper division)

4. A student majoring in religion is encouraged to major or minor in one of the following fields: Anthropology, English, history, journalism, modern language, music, political science, psychology, sociology, or communication.

5. Electives (33-48 hours)

NOTE: Student must complete a minor of at least 15 hours as a requirement of the Bachelor of Arts or Bachelor of Science.

MINOR: Religion

Religion Course Requirements (18 hours)

REL 101 Old Testament Survey (3)

REL 103 New Testament Survey (3)

12 hours REL electives (a minimum of 6 hours to be upper division)

MINOR: Greek

Greek Course Requirements (18 hours)

GR 201 Beginning Greek (4)

GR 202 Continuation of Beginning Greek (4)

GR 301 Intermediate Greek (3)

GR 302 Continuation of Intermediate Greek (3)

4 hours upper division electives in Greek.

EASTERN NEW MEXICO UNIVERSITY



COURSE DESCRIPTIONS

Course descriptions are listed alphabetically by prefix (discipline abbreviation). A table of those abbreviations can be found on page 29.

Within the course descriptions which follow are the abbreviations (F), (Alt F), (S), (Alt S), (Su), and (TBA). These are indications of semesters the course is generally offered. Departments may deviate from these occasionally. For specific scheduling refer to the current Class Schedule. (F) = Fall, (Alt F) = Alternate Fall, (S) = Spring, (Alt S) = Alternate Spring, (Su) = Summer, (TBA), = To Be Announced.

(ACCT) ACCOUNTING COURSES

ACCT 201 Introductory Accounting I (4). Fundamental accounting principles and concepts, procedures in data accumulation and presentation, and preparation of financial statements, types of business entities, and financing business entities. Prerequisites: BUS 151; MATH 107 or equivalent. (F, S)

ACCT 202 Introductory Accounting II (3). Introduction to cost systems, management planning, decision-making, and control using accounting data. Prerequisite: ACCT 201; MATH 110.

ACCT 300 Accounting Information Systems (3). Introduction to the design and creation of accounting information systems with emphasis on control and reporting in a computerized environment. Prerequisites: ACCT 202, concurrent enrollment allowed in ACCT 202 with consent of instructor; BUS 151; CIS 151; ENG 325 or concurrent enrollment in ENG 325. (F)

ACCT 301 Intermediate Accounting I (3). Theory pertaining to assets, liabilities, the balance sheet, and income statement and retained earnings statement. Prerequisites: ACCT 300; ENG 325 or concurrent enrollment in ENG 325. (S)

ACCT 302 Intermediate Accounting II (3). Accounting for bonds, corporate capital, earnings per share and statement of cash flows. Prerequisites: ACCT 301; ENG 325 or concurrent enrollment in ENG 325. (F)

ACCT 311 Cost Accounting (3). Accounting for costs of products and services; cost analysis and estimation; relevant costs for planning, controlling and decision making. Prerequisites: ACCT 202; ENG 325 or concurrent enrollment in ENG 325; STAT 213. (S)

ACCT 342 Governmental Accounting (3). Fundamental principles of accounting relating to governmental-type entities, account classification, and financial statement preparation and requirements. Prerequisites: ACCT 300 or consent of instructor; ENG 325 or concurrent enrollment in ENG 325. (TBA)

ACCT 371 Income Tax Accounting: Individual (3). Federal income tax laws and regulations and related accounting problems; preparation of returns for individuals. Prerequisites: ACCT 202; ENG 325 or concurrent enrollment in ENG 325. (F)

ACCT 401 Advanced Accounting I (3). Accounting for mergers, acquisitions, and combinations, and preparation of consolidated financial statements. Prerequisites: ACCT 302; ENG 325. (S)

ACCT 421 Internal Auditing (3). Procedures and practices in the verification of amounts and records in the preparation of audit reports within the business entity. Prerequisites: ACCT 300 or concurrent enrollment, ENG 325; STAT 213. (F)

ACCT 422 Auditing (3). Standards for planning and conducting audits and other types of examinations of financial statements, working paper content and form, auditors' opinions on financial statements, and ethics of the profession. Prerequisites: ACCT 302, ENG 325; STAT 213. (S)

ACCT 423 EDP Auditing (3). Introduction to skills, tools, and procedures needed to properly evaluate EDP controls. Concepts and techniques used in EDP audits are examined. Prerequisites: ACCT 422 or consent of instructor; ENG 325. (TBA)

ACCT 475 Income Tax Accounting: Corporations, Partnerships, and Fiduciaries (3). Federal income tax laws and regulations; related accounting problems for partnerships, corporations and fiduciaries. Prerequisites: ACCT 371 or consent of instructor; ENG 325. (S)

ACCT 476 Tax Research and Planning (3). Use of research tools in a professional tax library, tax planning, and tax consequences of various forms of business organizations. Prerequisites: ACCT 371, ENG 325. (TBA)

ACCT 481 Theory of Accounting (3). Use of the AICPA Bulletins, AAA Statements, and the FASB Statements to review the development of accounting theory. Prerequisites: ACCT 302; ENG 325. (TBA)

ACCT 489 Internship (1-3). Minimum of eight weeks on-the-job experience related to the student's major. Daily journal and a written report relating the work experience to the student's education are required. Grading is satisfactory/unsatisfactory. (Will not count as an Accounting elective.) Prerequisites: ACCT 300; ENG 325. (F, S, Su)

ACCT 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours) Prerequisites: ACCT 301; ENG 325.

ACCT 493 Topics in Accounting (1-3). As announced. (May be repeated for a maximum of 6 hours with consent of instructor.) Prerequisites: ACCT 301; ENG 325.

(AG) AGRICULTURE COURSES

AG 101 Animal Science (3). Livestock and meat industry; problems of feeding management; development of basic skills in cattle, sheep and swine selection. (F)

AG 102 Dairy Science (3). Dairy breeds, secretion of milk, composition, and food value of milk, importance of quality in dairy products; breeding, feeding; marketing and management in dairy products. (TBA)

AG 105 Introduction to Agricultural Education (3). History and philosophy of teaching agriculture in the secondary school setting. Emphasis placed on public school organization, opportunities, and the FFA organization. (F)

AG 110 Varsity Rodeo (1). Rodeo practices pertaining to National Intercollegiate Rodeo Association for the nine standard rodeo events. Prerequisite: consent of instructor. (F)

AG 121 Horse Production and Management (3). An introduction to the equine industry. Functional anatomy, feeding, nutrition, and health management of the horse. (TBA)

AG 203 Field Crops (3). Classification, use, and distribution of the various field crops. Characteristics and identification stressed in laboratory. Concurrent enrollment: AG 203L. (F)

AG 203L Field Crops Laboratory (NC). Concurrent enrollment: AG 203. (F)

AG 204 Soils (4). Origin, formation and classification of soils; factors determining distribution of different soils; physical, chemical, and biological properties of soils and basic principles governing processes which occur in soils. Concurrent enrollment: AG 204L.

AG 204L Soils Laboratory (NC). Prerequisite: consent of instructor. Concurrent enrollment: AG 204.

AG 210 Varsity Rodeo (1). Rodeo practices pertaining to National Intercollegiate Rodeo Association for the nine standard rodeo events. Prerequisite: consent of instructor. (F)

AG 221 Principles of Horticulture (3). Identification, adaptation, propagation, and maintenance of turfgrass, fruit, vegetable, nut, flowering and ornamental plants. (TBA)

AG 231 Agriculture Mechanics (3). Instruction and skill development in various welding techniques, hot and cold metal work, and oxy-acetylene cutting and welding. (TBA)

AG 231L Agriculture Mechanics Laboratory (NC). Concurrent enrollment in AG 231.

AG 253 Computers in Agriculture (3). Survey of and experience in agricultural management and decision-making using computers. (TBA)

AG 268 Workshop in Agriculture (1-3). As announced. (May be repeated for a maximum of 4 hours)

AG 293 Topics in Agriculture (1-3). As announced. (May be repeated for a maximum of 6 hours with consent of instructor.)

AG 301 Rural Buildings and Materials (3). Instruction and skills development in agricultural buildings and materials. Planning, construction, and maintenance of structures including topics in carpentry, electricity, plumbing, surveying, and masonry. Prerequisite: MATH 107.

AG 303 Agricultural Power and Machinery (3). Advanced studies in mechanization skills for agricultural occupations. Agricultural engines and theory, hydraulics, and farm equipment mechanics and maintenance. Prerequisite: MATH 107.

AG 304 Pest Management (3). Identification of weed and insect pests; chemicals, biological, cultural practices and principles used to control pest population. Prerequisites: AG 203/203L, 204/204L. (TBA)

AG 310 Varsity Rodeo (1). Rodeo practices pertaining to National Intercollegiate Rodeo Association for the nine standard rodeo events. Prerequisite: Consent of instructor. (F)

AG 311 Farm Management and Records (3). Farming and ranching as a business; factors affecting profits; efficient use of agriculture resources; types of farming; efficiency in use of labor; machinery; farm records; planning and management. (TBA)

AG 321 Feeding and Nutrition (3). Digestibility and nutritional values of feeds; compounding rations in the production of livestock; ration function; digestion process; requirements for maintenance and production. Prerequisite: AG 101 or consent of instructor.

AG 331 Forage Crops and Pastures (3). Identification of the varieties, cultures, adaptation, and management of plants useful for forage, hay and pasture. Prerequisites: AG 203/203L; or consent of instructor. (TBA)

AG 340 Marketing Agricultural Products (3). Economic principles and problems in marketing farm and ranch products; marketing function, services, agencies, pricing, and futures trading. Prerequisites: MKT 301, MATH 110, or consent of instructor. (TBA)

AG 351 Beef Production (3). Systems of beef production including production of purebred, commercial, and fat cattle. Range, farm and feedlot problems. Prerequisite: AG 101.

AG 352 Agricultural Economics (3). Application of agricultural economic concepts to agribusiness finance, marketing and management. Prerequisites: ECON 221. (TBA)

AG 394 Professional Leadership Development (3). Preparation for teachers in agricultural education programs and associated student organizations. Topics include leadership, personal growth, public speaking, parliamentary procedure, group leadership, and training for other Career Development Events. (TBA)

AG 402 Agricultural Policy (3). Identification and analysis of governmental programs and policies affecting prices and quantities of commodities. Farmer-rancher incomes, food supplies, consumer prices, domestic and foreign food distribution, and trade. Prerequisites: ECON 221; AG 311/311L or AG 352. (F)

AG 410 Varsity Rodeo (1). Rodeo practices pertaining to National Intercollegiate Rodeo Association for the nine standard rodeo events. Prerequisite: consent of instructor. (F)

AG 432 Animal Health (3). Disease prevention, detection, treatment and isolation; methods of waste disposal and pollution control. Prerequisites: AG 101, General Education Requirement in Life Science. (TBA)

AG 468 Workshop in Agriculture (1-3). As announced. (May be repeated for a maximum of 4 hours)

AG 479 Methods in Agricultural Education (3). Strategies, methods and techniques used in the agricultural education classroom with emphasis in secondary agricultural education instruction. Prerequisites: Six hours completed in a teacher education program. Should be taken the semester prior to student teaching. (F)

AG 489 Internship (3). Supervised work experience with approved public and private employers in agricultural business including banks, farm credit services, agriculture chemical firms, Soil Conservation Service and other agencies. Prerequisite: Consent of instructor and agency. This course is graded Pass/Fail. (May be repeated for a maximum of 6 credits with consent of instructor.) (F, S, Su)

AG 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours)

AG 493 Topics in Agriculture (1-3). As announced. (May be repeated for a maximum of 6 hours with consent of instructor.)

AG 494 Senior Seminar (1). Contemporary issues, professional opportunities and responsibilities in agriculture. Prerequisites: Completion of 20 hours in agriculture and declaration of either the major or minor or consent of instructor. (S)

(ANTH) ANTHROPOLOGY COURSES

ANTH/GEOG 103 Humans and Their Environments (3). The relationship between natural environment and human activities. A basic introduction to geography. (Does not count towards ANTH major.)

ANTH 111 The Dawn of Humanity (3). Physical and cultural characteristics of the human being: human origins until the close of the last ice age; changing views of evolutionary theory and adaptation; as well as cultural adaptations until the historic period. (Does not count towards ANTH major.)

ANTH 123 New Mexico: Enchanted Lands and Diverse Cultures (3). The rich cultures of New Mexico: its peoples and varied environmental settings, with emphasis on understanding multicultural aspects and potential for growth. (Does not count towards ANTH major.)

ANTH 205 Women in Cross-Cultural Perspective (3). The position of women in a sample of non-western societies; centers the role of women in various cultural subsystems such as economic, social, and religious.

ANTH/GEOG 233 People and Cultures of the World (3). The diverse societies that exist in various geographical areas of the world, with emphasis on understanding relationships between cultural systems and natural environments.

ANTH 243 Introduction to Cultural Anthropology (3). A beginning course that emphasizes a cross-cultural view of human adaptation, comparative linguistics, economies, political systems, kinship, and religion. (F, S)

ANTH 245 Introduction to Archaeology (3). Contemporary goals, theories, techniques, and methods: draws examples from prehistory, and emphasizes reconstructing past lifeways. Concurrent enrollment: ANTH 245L.

ANTH 245L Introduction to Archaeology Laboratory (1). Laboratory provides hands-on experience in excavation methods and analysis in a simulated laboratory context. Concurrent enrollment: ANTH 245.

ANTH 268 Workshop in Anthropology (1-3). As announced. (May be repeated for a maximum of 6 hours)

ANTH 293 Topics in Anthropology (1-3). As announced. (May be repeated for credit.) Prerequisite: ANTH 243.

ANTH 301 Humans and Primates: Evolution and Variation (3). Traces origins, development, and diversification of the primates including their modern social groups; evolution of the Human species and its modern physical variations and cultural adaptations.

ANTH 320 Introduction to Flintworking (3). Basics of stone tool manufacturing and use. (Alt F)

ANTH 333 Anthropology and Third World Peoples (3). Perspective on developing nations: Peoples, cultures, and consequences for national growth and world relations. Prerequisite: ANTH 233 or ANTH 243, or consent of instructor. (TBA)

ANTH 340 Indians of North America (3). North American Indian cultures in historic and contemporary contexts. Prerequisite: ANTH 233 or ANTH 243, or consent of instructor. (Alt F)

ANTH/SOC 350 Medical Anthropology (3). Anthropological ecological approaches to health and disease; how societies perceive health and disease and organize the culture to accommodate health issues such as: reproduction, nutrition, culture change and modernization. Prerequisite: ANTH 233 or ANTH 243, or consent of instructor. (TBA)

ANTH 365 North American Prehistory (3). North American continent from earliest evidence of human occupation of the New World until European contact. Prerequisite: ANTH 245/245L. (TBA)

ANTH 375 Old World Prehistory (3). Lower Paleolithic through Neolithic prehistory of Africa, Middle East, and Europe. Prerequisite: ANTH 245/245L. (TBA)

ANTH 401 Indians of the Plains (3). Plains Indian cultures from the time of European contact to the present will be examined, with an emphasis on adaptations, social organizations, and culture change. Prerequisites: ANTH 233, or ANTH 243, or consent of instructor. (TBA)

ANTH 404 Human Osteology (3). Hands-on identification and analysis of human skeletal remains, with a focus on archaeological applications. (Alt S)

ANTH 423 Prehistoric Origins of Complex Societies (3). World-wide comparison of the prehistoric evidence and anthropological models which attempt to explain development of complex social, political, and economic systems. Prerequisite: ANTH 245.

ANTH 432 Indians of the Southwest (3). Native American tribes of New Mexico and Arizona from the time of Spanish contact to the present. Prerequisite: ANTH 233, or ANTH 243, or consent of instructor. (ALT F)

ANTH 441 Historic Preservation (3). Federal and State laws/regulations; procedures for managing and protecting archaeological sites/artifacts; philosophical basis of historic preservation in the United States; ethical considerations; Federal and State regulatory administration. Prerequisite: ANTH 245/245L.

ANTH 455 Prehistory of the Plains (3). Plains Indian culture from its earliest beginnings to early European contact. Prerequisite: ANTH 245/245L.

ANTH 460 Paleo-Indian in the New World (3). Investigation of archaeological evidence of Paleo-Indians, from earliest dated materials to Archaic period. Prerequisite: ANTH 245/245L.

ANTH 461 Prehistory of the Southwest (3). Southwest prehistory from the introduction of corn (about 1000 BC) until early European contact. Prerequisite: ANTH 245/245L. (ALT S)

ANTH 462 Prehistory of Mexico and Middle America (3). The prehistory of Mexico and Middle America. Prerequisite: ANTH 245/245L.

ANTH 464 Hunter-Gatherer Archaeology of the Desert West (3). A seminar on pre-agricultural adaptations in the western U.S. (Great Basin, Southwest, Great Plains). Typically the course will cover paleoenvironments, culture history, technology, and settlement and subsistence. Prerequisite: ANTH 245/245L. (Alt S)

ANTH 468 Workshop in Anthropology (1-3). As announced. (May be repeated for a maximum of 6 hours)

ANTH/BIOL/CHEM/GEOL/PHYS 475 Scanning Electron Microscopy (2).

ANTH 481 Field Session (6). Supervised field research in ethnology, archaeology, physical anthropology, or paleoenvironmental studies. (Up to 4 hours in fieldwork may be used toward an undergraduate major in anthropology.) Prerequisite: consent of instructor and ANTH 245, ANTH 245L (or equivalent). (Alt Su)

ANTH 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours)

- a. Archaeology
- b. Ethnology
- c. Linguistics
- d. Physical Anthropology
- e. Technical/Topical

ANTH 492 History of Anthropology (3). The development and role of Anthropology within humanities and the social sciences. Prerequisites: ANTH 243, 301, 302.

ANTH 493 Topics in Anthropology (1-3). As announced. (May be repeated for credit.) Prerequisite: consent of instructor.

ANTH 494 Analytic Techniques in Archaeology (3). Laboratory and analytic procedures in material cultural analysis. (May be repeated for a maximum of 9 hours with consent of advisor; not more than 3 hours on any of the listed areas.) Prerequisite: consent of instructor. (Alt S)

- a. Ceramics
- b. Lithics
- c. Geographical
- d. Botanical
- e. Technical/Topical

ANTH 495 Fundamentals of Archaeological Theory (3). The development of archaeological theoretical frameworks from the 1500's through the 1960's. Prerequisites: ANTH 245, 301, 302.

ANTH 499 Senior Research Paper (1-2). Production of a research paper of publishable quality. Prerequisite: consent of instructor.

(ART) ART COURSES

All art courses except ART 165, 166, 364, 365, and 366 require two more contact hours per week than credit hours suggest. All four credit hour studio courses in Art require six contact hours of class per week.

ART 101 Beginning Drawing (3). An introduction to the basic principles, materials, and skills of freehand drawing from life. The course synthesizes studies in representation, proportion, perspective, value and composition. (Open to non-art majors and minors.) (TBA)

ART 106 Design (3). A two-dimensional exploration of the visual elements, principles of design and color through classroom application and experimentation. Included is an introduction to the Arts. (Open to non-art majors.)

ART 131 Art Appreciation (3). Introductory course exploring the visual arts. This lecture course surveys the role of arts in society. Emphasis on design principles and fine and applied arts. (S)

ART 145 Materials I (4). Team-taught class introducing drawing (2-D), structure (3-D), and photography through a series of short problems. The emphasis is on solving technical problems with an introduction to design principles. (F)

- ART 146 Materials II (4).** Team-taught class introducing more advanced drawing (2-D), structure (3-D), and photography techniques. The emphasis is on solving and perfecting technical problems and integrating various media while demonstrating design principles. Prerequisite: ART 145. (S)
- ART 165 Art History I (4).** Survey of the art of prehistoric and historic people in Western and non-Western cultures through the 16th century with exploration of cultural traditions in art by examining the impact of social, political, and economic organizations. (F)
- ART 166 Art History II (4).** Concentrates on Western and non-Western artistic traditions from the 16th through the 20th century with exploration of cultural traditions in art by examining the impact of social, political, and economic organizations. Prerequisite: None. ART 165 recommended. (S)
- ART 199 Demonstration of Conceptual Development (1).** Oral and visual presentation to the Art faculty and outside professionals including written documentation to assess students' abilities, artistic identity, and future directions. (Must be taken each semester of freshman year. May be repeated for a maximum of two credits.) Prerequisite: Art majors only. (F,S)
- ART 205 Drawing (4).** Emphasis on developing skills of freehand drawing from observation and concept. The course synthesizes studies in representation, abstraction, proportion, perspective, color, and composition using various media and techniques. Prerequisite: ART 146 or consent of instructor. (F)
- ART 206 Human Figure (4).** Study of advanced drawing principles applied to the human form and its structure. Using a variety of materials, students work from live models concentrating on gesture, contour, proportion, and modeling. Prerequisite: ART 205 or consent of instructor. (S)
- ART 210 Photography I (3).** A basic course with emphasis on camera and darkroom techniques. A manual 35mm camera with adjustable lens is required for this course. (Lab fee)
- ART 231 Beginning Ceramics (3).** Introduction to basic clay forming techniques including pinch, coil, slab, wheel throwing, and glaze application. (Lab fee)
- ART 245 Visual Concepts and Principles I (4).** Team-taught class exploring basic visual concepts and principles with 2-D and 3-D material. Through a series of problems students explore form, color and light, structure, space, perspective, and organization. Prerequisite: ART 146 or consent of instructor. (F)
- ART 246 Visual Concepts and Principles II (4).** Team-taught class exploring advanced visual concepts and principles with 2-D and 3-D material. Through a series of problems students explore form, color and light, structure, space, perspective, and organization. Prerequisite: ART 245 or consent of instructor. (S)
- ART 268 Workshop in Art (1-3).** As announced. (May be repeated for a maximum of 6 hours)
- ART 271 Beginning Jewelry (3).** Techniques of jewelry making taken from the past as well as from contemporary methods of fabrication. Emphasis on development of individual technical skills and craftsmanship. (May be repeated for credit.) (Lab fee)
- ART 293 Topics in Art (1-4).** As announced. (May be repeated for credit.) (TBA)
- ART 299 Demonstration of Conceptual Development (1).** Oral and visual presentation to Art faculty and outside professionals including written documentation to assess students' abilities, artistic identity, and future directions. (Must be taken each semester of sophomore year.) (May be repeated for a maximum of two credits.) Prerequisite: Art majors only. (F,S)
- ART 345 Advanced Materials I (4).** A team-taught class emphasizing additive and subtractive processes and techniques using 3-D materials. Introduction to the use of hand and power tools with clay, wood, metal and plastics. Prerequisite: ART 146 or consent of instructor. (F)
- ART 346 Advanced Materials II (4).** A team-taught class exploring advanced three dimensional techniques in clay, wood, metal, and plastics. Emphasis on form, structure, model-making, and fabrication. Prerequisite: ART 345 or consent of instructor. (S)
- ART 364 Twentieth Century Art History (4).** A study of the development of modern art from the 1870's to the present. Presentation of artists, movements and innovative concepts that have molded modern art. (TBA)
- ART 365 History of Design I (4).** Retrospective examination of design through exposure to culture, art, visual history, philosophy, and evolution of visual thought. Students will analyze course material through art projects and written examinations. Prerequisite: ART 166. (F)
- ART 366 History of Design II (4).** Modern examination of design through exposure to culture, art, visual history, philosophy, and current visual thought. Students will analyze course material through art projects and written examinations. Prerequisite: ART 166; ART 365 recommended. (S)
- ART 375 Introduction to Graphic Design (4).** Studio class introducing new tools and techniques. Increasingly complex assignments will determine student interest and aptitude for design. Topics: idea generating techniques, design principles, typography, lay-out, computer applications, trademark design. (May be repeated for a maximum of 8 credits.) Prerequisite: Art 246 or consent of instructor. (F)
- ART 376 Graphic Design Techniques (4).** Traditional techniques allow the designer to better understand current design techniques. Introduction to: silk-screen, air-brush, illustration, color pencil, marker rendering, halftone photography, preparing art for the printer, computer software. (May be repeated for a maximum of 8 credits.) Prerequisite: Art 375 or consent of instructor. (S)
- ART 395 Interdisciplinary Arts I (4).** Development of visual communication skills incorporating both 2-D and 3-D media emphasizing techniques, concepts, problem-solving, originality, and understanding the historical context of the work. Assignments and independent projects. Prerequisite: ART 346 or consent of instructor. (F)
- ART 396 Interdisciplinary Arts II (4).** Exploration of advanced 2-D and 3-D techniques and concepts. Emphasis on working as a professional artist including: grant writing, public art, presentation skills, research, and resource utilization through assignments and independent projects. Prerequisite: ART 395 or consent of instructor. (S)
- ART 399 Demonstration of Conceptual Development (1).** Oral and visual presentation to the Art faculty and outside professionals including written documentation to assess students' abilities, artistic identity, and future directions. (Must be taken each semester of junior year.) (May be repeated for a maximum of 2 credits.) Prerequisite: Art majors only. (F,S)
- ART 459 Computer Graphics and Animation (4).** Exploration of the creative possibilities of electronic imaging and 3/4 inch single frame video animation with concentration in: Paint, 3-D Modeling and Rendering, Photo-retouching, Multi-Media and Video Animation. (May be repeated for a maximum of 12 credits.) Prerequisite: ART 346 or consent of instructor. (F,S)
- ART 460 Professional Practice - Gallery Management (4).** Students produce and manage an on-going exhibition program. Emphasis on scheduling, publicity, care and physical handling of art work. Museum ethics are stressed including registration, cataloging, loans, purchases, and acquisitions. Prerequisite: ART 346 or consent of instructor. (May be repeated for a maximum of 12 credits.) (F,S)
- ART 468 Workshop in Art (1-3).** As announced. (May be repeated for a maximum of 6 hours)

ART 470 Professional Practice - Catalog Design (4). Students produce an art exhibition catalog. Emphasis is on real design problems related to budget and electronic design, problem-solving, creating camera-ready art, and meeting deadlines. Prerequisite: ART 375 or consent of instructor. (May be repeated for a maximum of 8 credits.) (F)

ART 475 Publication Design (4). Studio course taught completely on Macintosh. Students study the structure of magazines, annual reports, and brochures. Assignments include: typography, publication re-design, direct mail advertising, and newsletter production. (May be repeated for a maximum of 8 credits.) Prerequisite: ART 376 or consent of instructor. (F)

ART 476 Graphic Design Portfolio (4). The application of design principles to magazine, book, packaging, and self-promotion projects with professional portfolio development in mind. Finished portfolios will be reviewed by professional guest designers. (May be repeated for a maximum of 8 credits.) Prerequisite: ART 475 or consent of instructor. (S)

ART 480 Professional Practice - Electronic Press (4). Professional electronic pre-press production facility where students create plate-ready art for University publications. Includes computer design, electronic and conventional half-tone, stripping, and color separation. Prerequisite: Art 375 or consent of instructor. (May be repeated for a maximum of 8 credits.) (F,S)

ART 489 Internship in Art (3-12). Full-time supervised work in Art for a public or commercial institution. Nine hours maximum during a summer session; twelve hours maximum during a regular session. Prerequisite: 3.0 GPA in the major, internship application, and consent of instructor.

ART 490 Professional Practice - Magazine Production (4). Students publish New Mexico Photographer magazine in a collaborative course involving writing, electronic design, advertising, and photography and emphasizing publishing concerns related to budget, deadlines, and organization. Prerequisite: Art 375 or consent of instructor. (May be repeated for a maximum of 8 credits.) (S)

ART 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours) Prerequisite: Consent of instructor.

ART 493 Topics in Art (1-4). As announced. (May be repeated for credit.) (TBA)

ART 495 Interdisciplinary Arts III (4). Rigorous examination and production of a body of work emphasizing personal expression and exploration. Students will focus on project criteria, specifications, deadlines, requirements, professional attitudes and written documentation. (Course may be repeated for up to 12 hours of credit, with permission of instructor. Repeating the course increases difficulty and may change the emphasis.) Prerequisite: ART 396. (F)

ART 496 Interdisciplinary Arts IV (4). Continuation of a body of work with emphasis on portfolio development. The class emphasizes individuality, research, writing and developing a sophisticated approach to personal expression. (Course may be repeated for up to 12 hours of credit, with permission of instructor. Repeating the course increases difficulty and may change the emphasis.) Prerequisite: ART 495. (S)

ART 499 Demonstration of Conceptual Development (1). Oral and visual presentation to the Art faculty and outside professionals including written documentation to assess students' abilities, artistic identity, and future directions. (Must be taken each semester of senior year.) (BFA senior show required second semester.) (May be repeated for a maximum of two credits.) Prerequisite: Art majors only. (F,S)

(BIOL) BIOLOGY COURSES

BIOL 110 Introduction to Wildlife and Fisheries Sciences (3). Introduction to fundamental principles of animal populations, communities and ecosystems, as well as the conservation and management of wild animals and their habitats. (F, S)

BIOL 113 Biology for General Education (3). Principles of biology. Credit not applicable toward biology major or minor.

BIOL 113L Biology for General Education Laboratory (1). A two-hour optional laboratory per week to be taken in conjunction with BIOL 113.

BIOL 151 General Biology I (3). A survey of ecology and evolutionary biology leading to an introduction of the basic biology of animals, plants, and micro-organisms. Serves as an introductory course for students majoring in biology. Concurrent enrollment in BIOL 151L. (F, S)

BIOL 151L General Biology I Laboratory (1). Concurrent enrollment in BIOL 151. (F, S)

BIOL 152 General Biology II (3). An introduction to subcellular and cellular mechanisms and organization of biological systems. Serves as an introductory course for students majoring in biology. Concurrent enrollment in BIOL 152L. (F, S)

BIOL 152L General Biology II Laboratory (1). Concurrent enrollment in BIOL 152. (F, S)

BIOL 209 Anatomy and Physiology I (3). Part of an integrated systems approach covering gross human anatomy, histology and physiological function. This section covers the musculo-skeletal system and control systems including the nervous system, the endocrine system and signal transduction. Concurrent enrollment in BIOL 209L. Prerequisites: BIOL 152/152L and CHEM 151/151L strongly recommended. (F)

BIOL 209L Anatomy and Physiology I Lab (1). Concurrent enrollment in BIOL 209. (F)

BIOL 210 Anatomy and Physiology II (3). Part two of an integrated systems approach covering gross human anatomy, histology and physiological function. This section covers the other major body systems including cardiovascular, respiratory, renal and gastrointestinal systems. Concurrent enrollment in BIOL 210L. Prerequisites: BIOL 209/209L. (S)

BIOL 210L Anatomy and Physiology II Lab (1). Concurrent enrollment in BIOL 210. (S)

BIOL 214 Microbiology (3). Fundamentals of microbiology: growth, metabolism, genetics of microbes; survey of microbes; control of microbes; host-microbe interactions; infectious diseases; environmental and applied microbiology. Prerequisites: BIOL 152/152L is highly recommended. CHEM 151/151L is recommended. (F, S)

BIOL 214L Microbiology Laboratory (1). Laboratory practice in techniques of identification and growth of bacteria; practice in the use of selective and differential media. Concurrent enrollment: BIOL 214. Prerequisite: BIOL 152/152L Strongly recommended. (F, S)

BIOL 216 General Botany (3). Introduction to the physiology, morphology, and diversity of plants. Topics include plant anatomy and transport, reproduction, photosynthesis, ecology, and a broad overview of the diversity of the land plants. Prerequisite: BIOL 151/151L. (S)

BIOL 222 Introductory Cell Biology (3). Origin and function of living systems, cellular structure and physiology, energetics and metabolism, differentiation, multicellular systems. Prerequisites: BIOL 151/151L and BIOL 152/152L. (F)

BIOL 231 Genetics (3). Mendelian patterns of inheritance, cytogenetics, and basic molecular biology. Prerequisite: BIOL 222. (S)

BIOL 268 Workshop in Biology (1-3). As announced. (May be repeated for a maximum of 4 hours)

- BIOL 293 Topics in Biology (1-3).** As announced. (May be repeated for credit.)
- BIOL 300 Invertebrate Zoology (3).** The morphology, physiology, ecology, reproduction, and life habits of selected invertebrate phyla. Concurrent enrollment in BIOL 300L. Prerequisite: BIOL 151/151L. (Alt F)
- BIOL 300L Invertebrate Zoology Laboratory (1).** Concurrent enrollment in BIOL 300. (Alt F)
- BIOL 301 General Entomology (4).** Morphology, biology, and ecology of insects. Concurrent enrollment in BIOL 301L. Prerequisite: BIOL 151/151L. (Alt F)
- BIOL 301L General Entomology Laboratory (NC).** Concurrent enrollment: BIOL 301. (Alt F)
- BIOL/GEOL 302 Invertebrate Paleontology (3).** (Alt F)
- BIOL/GEOL 302L Invertebrate Paleontology Laboratory (1)** (Alt F)
- BIOL 303 General Ecology (3).** Study of the interactions that determine the distribution and abundance of organisms, including physical and biotic factors, population dynamics, intraspecific and interspecific relationships, community structure, and ecosystems. Concurrent enrollment in BIOL 303L. Prerequisites: BIOL 151/151L, BIOL 231; STAT 213 is highly recommended. (F)
- BIOL 303L General Ecology Laboratory (1).** Concurrent enrollment: BIOL 303. (F)
- BIOL 307 Vertebrate Zoology (3).** The comparative morphology, ecology, and evolution of fishes, amphibians, reptiles, birds and mammals. Concurrent enrollment in BIOL 307L. Prerequisites: BIOL 151/151L.
- BIOL 307L Vertebrate Zoology Laboratory (1).** Concurrent enrollment in BIOL 307.
- BIOL 341 Parasitology (4).** Morphology, life-history, and epidemiology of animal parasites with emphasis on human parasites. Concurrent enrollment in BIOL 341L. Prerequisites: BIOL 151/151L.
- BIOL 341L Parasitology Laboratory (NC).** Concurrent enrollment in BIOL 341.
- BIOL 370 Advanced Cell Biology (3).** Signal transduction pathways and mechanisms, intracellular transport of RNA and proteins, electron transport, photosynthesis, cellular metabolism and experimental approaches dealing with questions in cell biology will be addressed. Prerequisites: BIOL 151/151L, BIOL 152/152L, & BIOL 222. (Alt F)
- BIOL 380 Endocrinology (3).** Basic structure and functions of endocrine glands; mechanisms of action of hormones; hormonal control of development and reproduction in vertebrates with an emphasis on humans. Prerequisite: BIOL 152/152L, BIOL 209/209L, BIOL 370. (Alt F)
- BIOL 404 Fisheries Management (3).** Theory, methods, and philosophy of fisheries management emphasizing sport and commercial fisheries, aquaculture, and endangered species. Occasional field trips scheduled. Prerequisites: BIOL 151/151L, BIOL 303/303L; STAT 213. (F)
- BIOL 404L Fisheries Management Laboratory (1).** Concurrent enrollment in BIOL 404. (F)
- BIOL 405 Wildlife Management (3).** Theory, methods, and philosophy of wildlife management emphasizing game, non-game, and endangered species. Concurrent enrollment in BIOL 405L. Prerequisites: BIOL 231, BIOL 307/307L, BIOL 303/303L or consent of instructor. (S)
- BIOL 405L Wildlife Management Laboratory (1).** Concurrent enrollment in BIOL 405. (S)
- BIOL 409 Microbial Physiology (4).** Physiological, metabolic, and nutritional characteristics of micro-organisms. Prerequisite: BIOL 214/214L. Concurrent enrollment: BIOL 409L. (Alt F)
- BIOL 409L Microbial Physiology Laboratory (NC).** Concurrent enrollment: BIOL 409.
- BIOL 410 Plant Systematics (4).** An introduction to the principles of classification within the plant kingdom, including methods of collection and preservation and the process of identifying unknown plant materials. Prerequisites: BIOL 216. Concurrent enrollment in BIOL 410L. (F)
- BIOL 410L Plant Systematics Laboratory (0).** Concurrent enrollment in BIOL 410. (F)
- BIOL 411 Herpetology (3).** Biology and classification of amphibians and reptiles. Occasional field trips. Concurrent enrollment in BIOL 411L. Prerequisite: BIOL 151/151L. (Alt F)
- BIOL 411L Herpetology Laboratory (1).** Concurrent enrollment in BIOL 411. (Alt F)
- BIOL 415 Plant Physiological Ecology (4).** Life processes of plants and their response to environment, including water relations, mineral nutrition, photosynthesis and respiration. Concurrent enrollment in BIOL 415L. Prerequisites: BIOL 216. (Alt S)
- BIOL 415L Plant Physiological Ecology Laboratory (0).** Concurrent enrollment in BIOL 415 required. (Alt S)
- BIOL 418 Medical Entomology (3).** An epidemiological study of arthropod borne diseases with special emphasis on the impact of insects on humans. Prerequisite: Recommended BIOL 301/301L or BIOL 341/341L. (Alt F)
- BIOL 420 Plant Structure and Function (3).** An introduction to the morphological, physiological, and ecological diversity of chlorophyll-based, photosynthetic life on earth, ranging from unicellular algae to flowering plants. Concurrent enrollment in BIOL 420L. Prerequisites: BIOL 216. (Alt S)
- BIOL 420L Plant Structure and Function Laboratory (1).** Concurrent enrollment in BIOL 420. (Alt S)
- BIOL 421 Principles of Immunology (3).** Host-parasite relationships and mechanisms of immunity. Concurrent enrollment in BIOL 421L. Prerequisite: BIOL 214/214L. (Alt F)
- BIOL 421L Principles of Immunology Laboratory (1).** Immunochemical techniques widely used in immunology laboratories. Concurrent enrollment in BIOL 421. (Alt F)
- BIOL 422 Medical Microbiology (3).** Micro-organisms involved in disease; medical microbiology identification, symptomatology, vectors, and pathology. Concurrent enrollment in BIOL 422L. Prerequisite: BIOL 214/214L recommended. (Alt F)
- BIOL 422L Medical Microbiology Laboratory (1).** Concurrent enrollment in BIOL 422. (S)
- BIOL 424 Advanced Human Physiology (3).** An in-depth look at human physiological systems with particular emphasis on current research and system pathology. Recommended for premed and health science students. Concurrent enrollment in BIOL 424L. Prerequisites: BIOL 209/209L, BIOL 210/210L, or consent of instructor. (Alt S)
- BIOL 424L Advanced Human Physiology Laboratory (1).** Concurrent enrollment in BIOL 424. (Alt S)
- BIOL 425 Molecular Biology (3).** Nucleic acid chemistry, recombinant DNA technology, and gene cloning. Concurrent enrollment in BIOL 425L. Prerequisites: BIOL 222 or BIOL 370. (Alt S)
- BIOL 425L Molecular Biology Laboratory (1).** Experimental techniques in isolating and manipulating DNA and RNA, bacterial growth and transformation and protein expression, purification and analysis. Concurrent enrollment in BIOL 425. Prerequisite: BIOL 222 or BIOL 370. (Alt S)
- BIOL 427 Developmental Biology (3).** Biology and genetic control of reproduction and development of the embryo. Prerequisites: BIOL 370 and BIOL 425/425L. (F)
- BIOL 427L Developmental Biology Laboratory (1).** Concurrent enrollment: BIOL 427. (F)

BIOL 430 Limnology and Freshwater Biology (3). Study of freshwater habitats and the ecology, distribution, and identification of common freshwater organisms of the Southwest. Occasional field trips. Prerequisites: BIOL 151/151L, BIOL 303/303L, or consent of instructor. (S)

BIOL 430L Limnology and Freshwater Biology Laboratory (1). Concurrent enrollment, BIOL 430. (S)

BIOL 431 Mammalogy (3). Biology and classification of mammals. Occasional weekend field trips scheduled. Concurrent enrollment in BIOL 431L. Prerequisite: BIOL 307/307L or consent of instructor. (F)

BIOL 431L Mammalogy Laboratory (1). Concurrent enrollment: BIOL 431. (F)

BIOL 433 Neurobiology (3). An in-depth look at the function of the human nervous system including current research techniques such as model systems utilizing genetics, advanced electrophysiology and optical imaging of neuronal function. Concurrent enrollment in BIOL 433L. Prerequisites: BIOL 209/209L, 210/210L or consent of instructor. (Alt S)

BIOL 433L Neurobiology Lab (1). Concurrent enrollment in BIOL 433. (Alt S)

BIOL 436 Ichthyology (3). Biology and classification of fishes. Occasional field trips. Concurrent enrollment: BIOL 436L. Prerequisite: BIOL 151/151L. (Alt S)

BIOL 436L Ichthyology Laboratory (1). Concurrent enrollment: BIOL 436.

BIOL 439 Teaching in Biology (1). Methods resources, safety, and lesson plans in teaching biology lecture and laboratory. Prerequisite: junior or senior standing and enrollment for general science licensure or consent of instructor.

BIOL 441 Internship in Laboratory Instruction (3). Hands on preparation, presentation, and evaluation of a biology laboratory. Involves close supervision and coordination with supervising faculty member. Prerequisites: 3.2 GPA, senior status, and departmental approval.

BIOL 442 Ornithology (3). Biology and classification of birds. Occasional field trips scheduled. Concurrent enrollment in BIOL 442L. Prerequisite: BIOL 307/307L or consent of instructor. (S)

BIOL 442L Ornithology Laboratory (1). Concurrent enrollment: BIOL 442. (Alt S)

BIOL 450 Virology (3). Characteristics, structure, identification and clinical relevance of viruses. Prerequisite: BIOL 214/214L. (Alt S)

BIOL 450L Virology Laboratory (1). Techniques in classical, molecular, and medical virology. Concurrent enrollment in BIOL 450. (Alt S)

BIOL 462 Evolution (3). Causes of micro- and macroevolutionary change and the interpretation of cladogenesis. Prerequisite: BIOL 231. (F)

BIOL 465 Senior Research (1-4). An independent, in-depth study of some biological problem. A finished paper (in standard research form), subject to review and approval by the discipline, is required. (May be repeated for a maximum of 4 hours) Prerequisite: senior science major and consent of instructor.

BIOL 468 Workshop in Biology (1-3). As announced. (May be repeated for a maximum of 6 hours)

BIOL/ANTH/CHEM/GEOL/PHYS 475 Scanning Electron Microscopy (2).

BIOL 480 Medical Technology Practicum (16). Practical and technical training in medical technology. Open only to students majoring in MedTech who have completed all prerequisites. Students are responsible for securing admission into off-campus program. (May be repeated once to complete year's work toward MedTech degree.) Prerequisite: consent of instructor required.

BIOL 489 Pre-professional Internship (1-3). Practical experience working in an appropriate area of biology with a cooperating external agency or institution. Prerequisite: Departmental or agency approval.

BIOL 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours) (F, S, Su)

a. Biology

b. Wildlife and Fisheries Sciences

BIOL 492 Undergraduate Seminar (1). Selected topics of biology. (May be repeated for a maximum of 2 hours)

BIOL 493 Topics in Biology (1-3). As announced. (May be repeated for credit.)

BIOL 495 Biology Field Trip (1-3). Intersession, vacation, or summer session excursions to a variety of distant biological environments. Prerequisite: consent of instructor. (F)

(BUS) BUSINESS ADMINISTRATION COURSES

BUS 151 Introduction to Business (3). The basic nature of business in an essentially market-disciplined economic system: the interdisciplinary nature of business and broad administrative principles governing organized human endeavor. (Not open to students who have earned 9 hours in business.)

BUS 221 Principles of Real Estate (3). Real estate as an academic and practical discipline; designed to introduce students to theory, principles, practices, problem-solving and decision-making techniques applicable to the purchase, transfer, lease, financing, appraisal and brokerage of interests in land and buildings. (TBA)

BUS 293 Topics in Business (1-3). As announced (May be repeated for a maximum of 6 credits with consent of instructor and advisor).

BUS 305 Entrepreneurship (3). Small business problems and applications emphasizing innovation, management, planning, budgeting, financing, controlling, marketing, taxes and government regulations. Developing, evaluating, and funding opportunities for innovation, growth and expansion. Prerequisites: ACCT 201, 202; CIS 151; ECON 221, 222; ENG 325 or concurrent enrollment in ENG 325; MKT 301. (TBA)

BUS 315 Business Law I (3). Development and classifications of law, legal rights, contracts, agencies, negotiable instruments. Prerequisite: BUS 151; ENG 325 or concurrent enrollment in ENG 325. (F,S)

BUS 316 Business Law II (3). Legal rights and liabilities of the principal and surety, insurer and insured, bailor and bailee, carrier and shipper, vendor and vendee, partnership and partner, corporation and stockholder, mortgagor and mortgagee, landlord and tenant, creditor and bankrupt. Prerequisites: BUS 315; ENG 325. (S)

BUS 330 Production and Operations Management (3). An introduction to the design and analysis of operating systems in manufacturing and service organizations. Concepts include production planning, inventory and quality control, forecasting, resource allocation, facility layout and location, scheduling, work assessment. Appropriate quantitative decision tools such as regression analysis will be examined. Prerequisite: BUS 151; ENG 325 or concurrent enrollment in ENG 325; MATH 110; STAT 213. (F, S)

BUS 381 Business Research and Analysis (3). A set of conceptual tools and techniques relevant to the nature of scientific method as applied in a business environment; helps develop judgment and ability in research processes and methodology necessary for planning and implementing research tasks. Prerequisites: BUS 151; ECON 221, ENG 325 or concurrent enrollment in ENG 325; MATH 110, STAT 213. (F)

BUS 431 International Business (3). Environmental, economic, political and social constraints on doing business abroad; effects of overseas business investments on domestic and foreign economies; foreign market analysis and operational strategy of the firm; and management problem and development potential of international operations. Prerequisites: BUS 151; ENG 325; FIN 311; MKT 301. (S)

BUS 450 Employment Discrimination Law (3). Analyzes employer-employee relationship, employer liability, theories of discrimination, major employment legislation, cases, and regulations. Recognizing and avoiding discrimination based on age, sex, color, race, national origin, religion, and disability. Prerequisites: BUS 315; ENG 325. (S)

BUS 453 Business Strategy and Policy (3). Emphasis is on approach and methodology for strategic planning and policy development. Policy formulation and administration for the total organization involves integration of accounting, economics, finance, personnel and production management, and marketing discipline competencies in decision processes. Prerequisite: Final semester senior standing only. Must have completed business administration core courses, ENG 325.

BUS 489 Internship (1-3). Minimum of eight weeks on-the-job experience related to the student's major. Daily journal and a written report relating the work experience to the student's education are required. Grading is satisfactory/unsatisfactory. Prerequisites: 3.0 cumulative GPA; ENG 325; instructor and college approval. (TBA)

BUS 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours with consent of instructor and department.) Prerequisites: ENG 325; 3.0 cumulative GPA, instructor and college approval. (TBA)

BUS 493 Topics (1-3). As announced. (May be repeated for a maximum of 6 hours with consent of instructor.) Prerequisites: Consent of instructor, ENG 325. (TBA)

(BED) BUSINESS EDUCATION COURSES

BED 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours) Prerequisites: BUS 151, 3.0 GPA and approval of the instructor.

BED 493 Vocational Business/Marketing Education (1-3). As announced. (May be repeated for a maximum of 4 credits with consent of instructor.) Prerequisite: BUS 151.

(CHEM) CHEMISTRY COURSES

CHEM 113 Chemistry for Today (3). A non-mathematical approach to chemistry for non-science majors; chemistry of the real world and its role in modern technology and its effect on quality of life. CHEM 113L is not required. (F,S)

CHEM 113L Chemistry for Today Laboratory (1) (Optional). Hands-on experience with common chemicals. Designed with science education component. If students withdraw from CHEM 113 lecture, they must withdraw from the lab. (F,S)

CHEM 151 General Chemistry I (3). Basic laws and principles of chemistry, part I: metric units, scientific notation, periodic table, gas laws, chemical equations, thermodynamics, atomic and molecular structure, and bonding. Students withdrawing from this course must receive instructor's permission to retain CHEM 151L. Prerequisite: MATH 110 or two years high school algebra recommended. Concurrent enrollment: CHEM 151L. (F)

CHEM 151H General Chemistry I Honors Seminar (1). Special projects and advanced concepts in General Chemistry I. Prerequisite: Qualifying score on chemistry placement examination or consent of instructor. Co-requisite: Concurrent enrollment in CHEM 151. (F)

CHEM 151L General Chemistry I Laboratory (1). Basic general chemical laboratory techniques. Students withdrawing from CHEM 151 may retain this course only with instructor's permission. Concurrent enrollment: CHEM 151. (F)

CHEM 152 General Chemistry II (3). Basic laws and principles of chemistry, part II: liquids, solids, solutions, reaction rates and mechanisms, equilibrium, acids and bases, oxidation/reduction, and advanced topics. Students withdrawing from this course must receive instructor's permission to retain CHEM 152L. Prerequisite: CHEM 151/151L. Concurrent enrollment: CHEM 152L. (S)

CHEM 152H General Chemistry II Honors Seminar (1). Special projects and advanced concepts in General Chemistry II. Prerequisite: Completion of CHEM 151/151H with final grades of A or B or consent of instructor. Co-requisite: Concurrent enrollment in CHEM 152. (S)

CHEM 152L General Chemistry II Laboratory (1). Laboratory techniques in chemical principles and phenomena. Students withdrawing from CHEM 152 may retain this course only with instructor's permission. Concurrent enrollment: CHEM 152. (S)

CHEM 233 Quantitative Analysis (3). Error analysis, acid-base titrations, gravimetry, redox titrations, complexometric titrations, visible spectroscopy, atomic spectroscopy, etc.; theory and methods. Prerequisites: CHEM 152/152L. Concurrent enrollment: CHEM 233L. (S)

CHEM 233L Quantitative Analysis Laboratory (1). Techniques and approaches to quantitative chemical analysis. Prerequisites: CHEM 152/152L. Concurrent enrollment: CHEM 233. (S)

CHEM 251 Integrated Organic and Biochemistry (3). Chemistry of carbon compounds, functional groups, biomolecules, macromolecules, energy and material metabolism, molecular genetics and diseases, and biotechnology. Prerequisites: CHEM 151/151L or equivalent. Concurrent enrollment: 251L. (Alt S)

CHEM 251L Integrated Organic and Biochemistry Laboratory (1). Basic techniques in beginning organic and biochemistry, including melting point, distillation, gas, paper, thin layer chromatography, and electrophoresis. Three hours laboratory per week. Prerequisites: CHEM 151/151L or equivalent. Concurrent enrollment: CHEM 251. (Alt S)

CHEM 268 Workshop in Chemistry (1-3). As announced. (May be repeated for maximum of 4 hours credit.)

CHEM 293 Topics in Chemistry (1-3). As announced. (May be repeated for credit if topics are different.)

CHEM 321 Inorganic Chemistry (3). Nomenclature, theory, structural, spectroscopic, chemical, and physical properties of inorganic substances. Prerequisites: CHEM 233/233L or consent of instructor. Concurrent enrollment: CHEM 321L. (F)

CHEM 321L Inorganic Chemistry Laboratory (1). Inorganic synthesis and analysis. Three hours laboratory per week. Prerequisites: CHEM 233/233L or consent of instructor. Concurrent enrollment: CHEM 321. (F)

CHEM 341 Organic Chemistry I (3). Hybrid orbitals, chemical bonds, chemistry of alkanes, alkenes, alkynes, optical activity, conjugated systems and benzene. Prerequisites: CHEM 152/152L. Concurrent enrollment: CHEM 341L. (F)

CHEM 341L Organic Chemistry I Laboratory (1). Three laboratory hours per week. Concurrent enrollment: CHEM 341. (F)

CHEM 342 Organic Chemistry II (3). Aromaticity, electrophilic substitution, NMR, IR and UV spectroscopy, organometallics, alcohols, phenols, ethers, aldehydes, ketones, carboxylic acids, amines, dicarbonyl compounds, carbohydrates, amino acids and proteins. Prerequisites: 341/341L. Concurrent enrollment: CHEM 342L. (S)

CHEM 342L Organic Chemistry II Laboratory (1). Three laboratory hours per week. Prerequisites: CHEM 341/341L. Concurrent enrollment: CHEM 342. (S)

CHEM 401 Biochemical Methods (1). An integrated biochemical analysis laboratory covering dialysis, centrifugation, ultracentrifugation, electrophoresis, isoelectric focusing, gel filtration, ion-exchange chromatography. Two hours lecture per week for half of one semester. Prerequisite: CHEM 452 or equivalent or concurrent enrollment in CHEM 452, or consent of instructor. Concurrent enrollment: CHEM 401L.

CHEM 401L Biochemical Methods Laboratory (1). Four laboratory hours per week for half of one semester. Prerequisite: CHEM 452 or consent of instructor. Concurrent enrollment: CHEM 401.

CHEM 402 Electrochemical Techniques (1). Potentiometry, conductivity, coulometry, DC polarography, differential pulse anodic stripping voltammetry; theory, applications, and methods. Two hours lecture per week for half of one semester. Prerequisites: CHEM 233/233L or consent of instructor. Concurrent enrollment: CHEM 402L. (F)

CHEM 402L Electrochemical Techniques Laboratory (1). Four laboratory hours per week for half of one semester. Prerequisite: CHEM 233/233L or consent of instructor. Concurrent enrollment: CHEM 402. (F)

CHEM 403 Electronic Spectroscopy (1). Theory and practice of electronic absorption and luminescence spectroscopy. Excited states, electromagnetic radiation, selection rules, radiative and non-radiative energy transfer kinetics. Applications in analytical, organic, physical, and biochemistry. Two hours lecture per week for half of one semester. Prerequisite: CHEM 412/412L or consent of instructor. Concurrent enrollment: CHEM 403L. (S)

CHEM 403L Electronic Spectroscopy Laboratory (1). Four laboratory hours per week for half of one semester. Prerequisite: CHEM 412/412L or consent of instructor. Concurrent enrollment: CHEM 403. (S)

CHEM 404 Spectroscopic Organic Structural Determination (1). Principles and applications of NMR, IR and Mass Spectroscopy in elucidation of structure of organic compounds. Two hours lecture per week for half one semester. Prerequisite: CHEM 412/412L or consent of instructor. Concurrent enrollment: CHEM 404L.

CHEM 404L Spectroscopic Organic Structural Determination Laboratory (1). Four laboratory hours per week for half of one semester. Prerequisite: CHEM 412/412L or consent of instructor. Concurrent enrollment: CHEM 404.

CHEM/PHYS 406 Scientific Equipment Design (1). Integrated exploration of scientific machine and glass shop technologies to design, produce, and repair or modify scientific research and teaching equipment. (Alt F)

CHEM/PHYS 406L Scientific Equipment Design Laboratory (1). Laboratory exercises and experiments involving the integrated use of scientific machine and glass shop technologies to design, produce, and repair or modify scientific research and teaching equipment. Concurrent enrollment in CHEM 406. (Alt F)

CHEM/PHYS 411 Physical Chemistry I/Thermodynamics (3). Mathematical-physical explanation of chemical and physical properties of gases, liquids, solids, solutions, and other states of matter; heat cycles, laws of thermodynamics; equilibrium; statistical thermodynamics. Prerequisites: CHEM 233/233L; MATH 301; and PHYS 152/152L or 202/202L; or consent of instructor. Concurrent enrollment for CHEM 411: CHEM 411L. (F)

CHEM 411L Physical Chemistry I Laboratory (1). Concurrent enrollment: CHEM 411. (F)

CHEM 412 Physical Chemistry II (3). Electrochemistry, chemical kinetics, quantum mechanics, atomic and molecular structure and bonding. Prerequisite: CHEM 411/411L or consent of instructor. Concurrent enrollment: CHEM 412L. (S)

CHEM 412L Physical Chemistry II Laboratory (1). Prerequisite: 411/411L. Concurrent enrollment: CHEM 412. (S)

CHEM 422 Advanced Inorganic Chemistry (3). Physical chemistry principles applicable to inorganic systems. Prerequisite: CHEM 412/412L. (S)

CHEM 431 Molecular Spectroscopy (3). Theory and practice of molecular spectroscopy. Applications in vibrational, electronic, and nuclear magnetic resonance spectroscopy. Prerequisites: CHEM 412/412L. (Alt S)

CHEM 439 Teaching in Chemistry (1). Methods, resources, safety, and lesson plans in teaching chemistry lecture and laboratory. Prerequisites: CHEM 151/151L, and 152/152L; senior standing with major or minor in science; and consent of instructor. Open only to students working toward teaching licensure. Concurrent enrollment in GEOL 439 and PHYS 439. (F)

CHEM 441 Physical Organic Chemistry (3). Electronic structure of organic molecules, effect of structure on reactivity, reaction mechanisms and methods to determine them, different types of reactions. Prerequisites: CHEM 342/342L, 412/412L.

CHEM 452 Biochemistry (3). The chemistry and metabolism of biomolecules. Recommended for all chemistry majors, pre-med and students interested in molecular biology. Not a continuation of CHEM 251. Prerequisites: CHEM 342/342L, 412/412L; or consent of instructor. (F)

CHEM/GEOL 454 Geochemistry (3).

CHEM 465 Computer Acquisition of Chemical Data (3). Basic electronics structure of digital computer, BASIC/FORTRAN commands for data acquisition, data smoothing (digital filtering) techniques, acquire and process data from chemical instrumentation. Two hours lecture and three hours laboratory. Prerequisites: CHEM 412/412L; knowledge of BASIC and/or FORTRAN; or consent of instructor. (S)

CHEM 468 Workshop in Chemistry (1-3). As announced. (May be repeated for a maximum of 6 hours)

CHEM 470 Investigative Problems (1-4). Independent study or research of some chemical problems. Three hours laboratory weekly per credit hour. Three credit hours required of all professional chemistry majors. Student must pre-arrange project with instructor before enrollment. (May be repeated for a maximum of 4 hours) Prerequisite: consent of instructor.

CHEM/ANTH/BIOL/GEOL/PHYS 475 Scanning Electron Microscopy (2).

CHEM 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours)

CHEM 492 Undergraduate Seminar (1). Selected topics in chemistry to be presented by students: literature search, techniques in development and presentation of topics. Students are required to attend other seminars. (May be repeated for a maximum of 2 hours) (F,S)

CHEM 493 Topics in Chemistry (1-3). As announced (May be repeated for credit if topics are different.)

CHEM 495 Senior Chemistry Review (1). Comprehensive, integrated capstone review of chemical concepts and assessment of student competence. Required for all chemistry majors. Prerequisite: Senior standing in Plan I or Plan II chemistry degree program or consent of instructor. (S or U) (F, S)

(COMM) COMMUNICATION COURSES

COMM 101 Interpersonal Communication (3). Development of communication skills necessary for effective interaction with persons on an interpersonal level and in small groups; theoretical dimensions of interpersonal communication; provides opportunities for practical application. Concurrent enrollment: COMM 101L. (F,S)

COMM 101L Interpersonal Communication Laboratory (NC). Concurrent enrollment: COMM 101. (F,S)

COMM 102 Public Speaking (3). Training in composition of informative and persuasive discourse with emphasis on the use of evidence, reasoning, delivery skills, and audience analysis. (F,S)

COMM 110 Beginning Television Production (3). Introduction to the principles and techniques of studio production for television. This includes producing, directing, camera, lighting, switching, sound tracks and graphic design. Course covers the technical and creative aspects of the television production process. Concurrent enrollment: COMM 110L. (F,S)

COMM 110L Beginning Television Production Laboratory (NC). Concurrent enrollment: COMM 110. (F,S)

COMM 201 Introduction to Mass Communication (3). General history and current trends in mass media; various types of mass media, investigation of opportunities and requirements of the industries. (F)

COMM 202 Dynamics of Group Behavior (3). Principles and practices of effective participation in small group discussions, with emphasis on improvement of critical thinking, problem solving, organization skills, and group cooperation methods. (F,S)

COMM 203 News Writing (3). Principles of writing news and feature stories (computer assisted). Prerequisite: ENG 102 basic computer skills. Concurrent enrollment: COMM 203L. (F,S)

COMM 203L News Writing Laboratory (NC). Concurrent enrollment: COMM 203. (F,S)

COMM 210 Audio Production (3). Basic orientation of principles and techniques of radio and television audio production equipment. Course includes technical and creative use of microphones, mixing consoles, music, sound effects and recorders for radio, television and film sound tracks. Concurrent enrollment: COMM 210L. (S)

COMM 210L Audio Production Laboratory (NC). Concurrent enrollment: COMM 210. (S)

COMM 220 Intermediate Television Production (3). Emphasis on electronic field production (EFP/ENG) and post-production editing. Principles and techniques of single-camera field production for television, including camera, lenses, lighting and directing. Editing sequence includes continuity editing for informational and dramatic television forms. Lab fee required. Prerequisite: COMM 110, 201. Concurrent enrollment: COMM 220L. (F,S)

COMM 220L Intermediate Television Production Laboratory (NC). Concurrent enrollment: COMM 220. (F,S)

COMM 223 Voice and Performance (3). Techniques of broadcast announcer, voice development, microphone techniques, and practical experience with various materials in broadcast situations. (F)

COMM 231 Argumentation Theory (3). Logical analysis and discourse with an emphasis on argumentative structure and organization focusing on value and policy propositions. (Alt S)

COMM 250 Techniques of Listening (3). Students learn principles and techniques of listening to improve their concentration level, interpersonal relationships, and job effectiveness. Attitudes, behaviors, and habits of effective listening are explored. (F,S)

COMM 260 Public Relations (3). Introduction to the theory and practice of public relations. Study of its functions in organizations, society, issues, concepts and theories. Emphasis on practical applications. (F)

COMM 268 Workshop in Communication (1-3). As announced. (May be repeated for a maximum of 6 hours)

COMM 293 Topics in Communication (1-3). As announced. (May be repeated for credit.)

COMM 300 Introduction to Communication Theory (3). Overview of theories in interpersonal, mass, and speech communication with an emphasis on analysis and application of the theoretical principles covered. Prerequisite: COMM 101 or 102; 201. (F)

COMM 301 Principles and Practices of Communication Research (3). Introduction to the methods used in interpersonal and mass communication research. The course covers writing surveys, leading focus groups, and conducting ethnographic research. Analyzing and presenting data will also be discussed. Prerequisite: COMM 101 or 102; 201. (S)

COMM 302 Electronic News Gathering (3). Field pre-production, production, and post-production. Includes script preparation, equipment, editing, reporting and other areas. Non-linear and digital techniques emphasized. Prerequisite: COMM 110/110L; COMM 220/220L. (F)

COMM 303 Public Relations Techniques (3). Class focuses on the skills and techniques involved in writing for PR (including press releases, newsletters, annual reports, and advertising copy), copy dissemination, media use, media network, and design. Prerequisites: COMM 203, 260. (S)

COMM 304 Reporting (3). Techniques in reporting basic news stories, news features and profiles. Emphasis on writing, sources and interviewing (computer assisted instruction). Prerequisites: COMM 201, 203. (F,S)

COMM 305 Copy Editing (3). Copy reading and computer editing (computer assisted instruction). Emphasis on grammar and AP style. Prerequisites: COMM 203. (Alt F)

COMM 306 Communication Design (3). Emphasizes type, typography, styles of page design, and editing photos for newspapers and newsletters. Prerequisite: COMM 203. (Alt S)

COMM 307 Public Relations Design (3). Emphasizes communication design principles and techniques for media kits, annual reports, brochures, business packages and other public relations materials. Prerequisite: COMM 203. (Alt S)

COMM 309 History of Electronic Media (3). History of electronic media from its inception in the 17th century to contemporary technologies. Covers radio, television, film and cable. Prerequisite: COMM 201. (F)

COMM 327 Broadcast Journalism (3). Writing of radio and television news, features, and documentaries at the local and network levels (computer assisted instruction). Prerequisite: COMM 110, 203, 220. (F)

COMM 334 Persuasive Communication (3). Techniques and principles of how individuals influence others. The course will emphasize both oral and written communication including editorial, campaigns, sales, social movements, and speeches. Prerequisites: COMM 101, 102 or 202, or consent of instructor. (S)

COMM 335 Script Writing for Electronic Media (3). Writing for broadcast commercials, public service, feature news and documentary, industrial and dramatic programming. (Computer assisted instruction.) Prerequisites: COMM 110, 201, 203. (S)

COMM 338 Intercollegiate Forensics (1). For students actively preparing for and participating in intercollegiate debate and individual contest speaking. (May be repeated for a maximum of 8 hours) (F,S)

COMM 344 Mass Communication Workshop (2). A graduated laboratory for students: practical experience in all phases of radio and television broadcasting. Lab fee required. (May be repeated for a maximum of 8 hours) Prerequisites: COMM 110, 201, 203, 220. (F,S)

COMM 350 Media Advertising and Sales (3). The history, theory, role and process of advertising and sales in the media. Prerequisite: COMM 201, 203. (Alt F)

COMM 355 Techniques of Job Interviewing (3). Students learn the principles and strategies necessary to be successful in the job interview. Major areas include: self-exploration, career development, types of job interviews, how to handle questions, researching companies, resumes, credibility, nonverbal communication, salary negotiation, and personal selling strategies. (F,S)

COMM 370 Principles of Negotiation (3). Principles, strategies, tactics, and psychological insights of negotiation. Analysis of selected case studies in negotiation. (F,S)

COMM 380 Nonverbal Communication (3). Principles, practices, and functions of various types of nonverbal communication are explored and observed. Major topics include kinesics, environment, territoriality, proxemics, paralanguage, appearance and time. (Alt S)

COMM 390 Rhetorical Theory (3). Rhetorical theory from Aristotle, Cicero, and Quintilian to modern rhetorical principles; the relationship of classical rhetoric to that of modern theories of communication are explored. Prerequisite: COMM 101, 102 or 202. (Alt S)

COMM 402 Magazine Writing (3). Writing for magazines and messages for various consumer print media. Study of magazine markets and selling techniques for the free-lance writer. Prerequisite: COMM 203, 304. (F)

COMM 403 Computer Assisted Reporting (3). A systematic approach to investigative reporting using computer and internet technologies. Emphasis is on in-depth reporting. Includes web publishing. Prerequisite: COMM 203, 304. (F,S)

COMM 405 Public Affairs Reporting (3). Techniques for reporting politics and government, law, science and medicine, and business. Computer assisted. Prerequisite: COMM 203, 304. (Alt F)

COMM 407 Sports Communication (3). Introduction to the field of sports writing and broadcast. Students will have a variety of assignments ranging from general sports coverage to play-by-play reporting of athletic events. Prerequisites: COMM 201. (Alt F)

COMM 412 Photojournalism (3). Photos as effective tools of communication: includes news, features, and photo essay. Photo page layout and cut line writing covered. Lab fee required. Prerequisite: ART 210. Concurrent enrollment: COMM 412L. (Alt S)

COMM 412L Photojournalism Laboratory (NC). Concurrent enrollment: COMM 412. (Alt S)

COMM 414 Mass Media Law (3). A study of the development of Mass Media Law with an emphasis on case studies in such areas as the First Amendment, libel, copyright, and privacy. Prerequisite: COMM 201, 203; junior standing. (F)

COMM 415 Ethics of Public Communication (3). Discussion of a variety of issues in ethical theory as it bears on the practice of public communication. Case studies from all fields of communication. Senior standing. (F,S)

COMM 420 Documentary Field Production (3). Techniques in the pre-production, production, and post-production of television documentaries. Prerequisites: COMM 203 or 335, 220/220L. (S)

COMM 422 Directing for Television (3). Advanced planning and production of television programs with emphasis on direction, with practical experience in directing various types of television programs. Prerequisite: COMM 220/220L and consent of instructor. Concurrent enrollment: COMM 422L. (F)

COMM 422L Directing for Television Laboratory (NC). Intermediate directing techniques for both studio and electronic field production. Concurrent enrollment: COMM 422.

COMM 423 Radio Station Operations (3). Radio reporting, writing, announcing, programming and management. Students will work in audio production lab and KZIA. Prerequisite: COMM 210/210L. (F)

COMM 428 Media Management (3). Study of management processes of media organizations. Special attention given to personnel, content/programming, advertising, community relations, economic and legal problems. Case study emphasized. Prerequisite: COMM 201. (Alt S)

COMM 447 Organizational Communication (3). Basic concepts related to communication in organizations: management philosophy translated into communicative behavior of interpersonal, group, and public nature; approaches to solving organizational communication problems using a systems perspective. Prerequisites: COMM 101, 102 or 202; 300; or consent of instructor. (Alt F)

COMM 448 Telecommunication Systems Programming (3). Emphasis on programming for broadcast and cable operation. Elements studied include: program theory, audience and market analysis, and sales. Prerequisites: COMM 110, 201; junior standing. (Alt S)

COMM 455 Intercultural Communication (3). Explores the cultural differences of individuals and their effects on communication. The course emphasizes improving skills necessary for satisfactory intercultural interaction. (Alt S)

COMM 456 Event Management (3). Aspects of event and conference management studied, including promotion, facilities, budgets, planning and evaluation. Students involved in actual events. Prerequisite: COMM 260; COMM 303; COMM 307. (S)

COMM 460 Public Relations Cases and Campaigns (3). Selected public relations case studies and a directed public relations campaign project with local and/or regional client organization. Prerequisite: COMM 260, 303, 307; senior standing. (S)

COMM 468 Workshop in Communication (1-3). As announced. (May be repeated for a maximum of 6 hours)

COMM 470 Interpersonal Communicative Behavior (3). Communication in the process of developing and maintaining individual self-image, relationships, and roles in groups/society; transactional states in relationships, emotional social isolation, communicative behaviors among youth and the elderly. Prerequisites: COMM 101, 102 or 202; 300. (Alt F)

COMM 475 Gender Communication (3). Explores variations in communication behavior related to biological sex and psychological gender. Examines male and female communication issues in relationships, organizations, and the media. (F)

COMM 477 Family Communication (3). Examines the principles of family communication in a variety of family types. Explores communications issues including aging, conflict, intimacy, rules and stories. (S)

COMM 489 Communication Internship (1-6 Fall or Spring semesters; or 1-12 Summer semester). Full-time supervised work with a radio station, television station, newspaper, advertising agency, public relations agency, or other media-related firm. Only 6 hours can be applied to major. Prerequisite: 3.0 GPA in the major and sophomore standing. Internship application must be completed the semester prior to the internship.

COMM 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours) Prerequisite: consent of instructor; junior or senior standing.

COMM 493 Topics in Communication (1-3). As announced. (May be repeated for credit.)

COMM 498 Senior Seminar (1). Course is designed to help graduating seniors assess, integrate, reflect upon and gain closure on the meaning of the undergraduate experience. Portfolio preparation included. Prerequisite: Senior standing. (F, S)

(CDIS) COMMUNICATIVE DISORDERS COURSES

CDIS 143 Introduction to Communicative Disorders (3). Normal processes of speech, language and hearing: major kinds of speech, language, and hearing disorders; implications for future speech and hearing clinicians, teachers, and others; related professional problems, services and organizations. (F,S)

CDIS 250 Speech and Language Development (3). Speech/language learning process in the child: analysis of the phonological, morphological, semantic, syntactic and pragmatic aspects of speech/language development; review of current theory and research in speech/language acquisition. (F)

CDIS 252 Phonetics (3). The position, movements, and acoustic properties of speech sounds. Training in transcription provides students with the ability to describe normal speech, dialects and substandard speech. (S)

CDIS 268 Workshop in Communicative Disorders (1-3). As announced. (May be repeated for a maximum of 6 hours)

CDIS 293 Topics in Communicative Disorders (1-3). As announced. (May be repeated for credit.)

CDIS 300 Speech-Language Anatomy and Physiology (3). Anatomy of the normal speech mechanism, physiologic, acoustic and perceptual characteristics of speech. Prerequisites: BIOL 209/209L; PHYS 113/113L or 151/151L; or consent of instructor. (F)

CDIS 302 Hearing/Vestibular Anatomy and Physiology (3). Introduction to acoustics and the anatomy and physiology of the auditory and vestibular systems. Brief overview of elementary concepts in psychoacoustics and the perceptual correlates of audition. Prerequisites: CDIS 143; BIOL 209/209L; PHYS 113/113L or 151L and junior standing; or consent of instructor. (F)

CDIS 311 Articulation Disorders (3). Characteristics, causes and treatment of articulation disorders in children and adults. Prerequisites: CDIS 250, 252, 300. (S)

CDIS 332 Language Disorders in Children (3). Types of language disorders in children, includes evaluative procedures and development of individualized therapy programs for children. Prerequisite: CDIS 250. (S)

CDIS 342 Basic Audiology (3). Introduction to pathologies of the auditory and vestibular systems, and the basic audiologic evaluation, with emphasis upon pure tone and speech audiometry, clinical masking, acoustic immittance, and interpretation. Prerequisites: CDIS 143; CDIS 302 and junior standing; concurrent enrollment in CDIS 342L required. (S)

CDIS 342L Basic Audiology Laboratory (1). Concurrent enrollment in CDIS 342 required. Prerequisite: CDIS 143; CDIS 302. (S)

CDIS 400 Speech Science (3). Advanced science course in normal speech production and perception. Topics include the evolution of speech, research in speech perception, acoustic phonetics, laboratory instrumentation, and computer applications. Prerequisites: CDIS 252, 300, 302. (F)

CDIS 421 Neuroanatomy of Speech and Language (3). Normal and pathological neuroanatomy and neurophysiology of speech and language. Prerequisites: CDIS 300, 302, and senior standing. (S)

CDIS 424 Language Assessment (3). Administration, scoring and interpretation of standardized tests. Consideration will also be given to the informal assessment of language disorders in children. Prerequisites: CDIS 250, 252, 332. (F)

CDIS 433 Medical Aspects of CDIS (3). Selected topics in medicine and health care that are important for the speech-language pathologist and audiologist. Prerequisite: consent of instructor. (S)

CDIS 434 Aural Rehabilitation (3). Effects of hearing loss in adults and children. Considerations in the management of the deaf and hard-of-hearing, including electroacoustic amplification and communication therapy. Prerequisite: CDIS 143; CDIS 302; CDIS 342/342L; and senior standing. (F)

CDIS 440 Oral Motor Disorders (3). Characteristics, causes, assessment, observation, and treatment of oral motor or feeding disorders in children and adults who have communicative disorders. Prerequisite: CDIS 300, 311, 421 and at least senior standing, or consent of instructor. (Alt Su)

CDIS 443 Clinical Management (3). Methods and techniques of clinical management, establishment of a basic clinical armamentarium, observation and limited participation in clinical activities. Prerequisites: CDIS 311, 332. (F)

CDIS 444 Clinical Apprenticeship (1). Preclinical, practical experience designed to acquaint the student with the provision of speech, language, and/or hearing services, by assisting a graduate student clinician, speech-language pathologist, or audiologist. Prerequisites: CDIS 443 and consent of instructor. (F,S)

CDIS 445 Honors Practicum (1). Supervised clinical experience including speech-language intervention, speech-language screenings, audiology screenings and evaluations. Conferences and record keeping. Attendance at one-hour clinician's meeting each week is required. Prerequisite: CDIS 443; consent of instructor. (May be repeated for a maximum of 2 credits with consent of instructor). (F, S)

CDIS 468 Workshop in Communicative Disorders (1-3). As announced. (May be repeated for a maximum of 6 hours)

CDIS 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours in each area.) Prerequisite: consent of instructor.

- a. Audiology
- b. Speech pathology

CDIS 493 Topics in Communicative Disorders (1-3). As announced. (May be repeated for credit.)

(CIS) COMPUTER INFORMATION SYSTEMS COURSES

CIS 151 Basic Computer Skills (3). Microcomputer operations; terminology, concepts, and applications to include spreadsheets, database and word processing.

CIS 185 Introduction to Computer Information Systems (3). Survey of information systems, hardware functions, operating systems software, applications software, and systems development. Introduction to Web and Object Oriented programming. Coverage of Microcomputers to Mainframes. Prerequisite: CIS 151 or concurrent enrollment.

CIS 241 Introduction to Web Development (3). Basic fundamentals of Internet related technologies and their impact. Effective design of World Wide Web pages using current WWW publishing languages. Prerequisite: CIS 151. (F,S)

CIS 251 Information Processing Concepts/Applications (3). Advanced microcomputer operations; terminology, concepts, and applications to include spreadsheets, database, and word processing. Prerequisite: Consent of Instructor. (F)

CIS 268 Workshop in CIS (1-3). As announced. (May be repeated for a maximum of 3 credits.) Prerequisites: BUS 151; Consent of instructor.

CIS 293 Topics in CIS (1-3). As announced. (May be repeated for a maximum of 6 hours of credit.) Prerequisite: BUS 151 and consent of instructor.

CIS 300 Object Oriented Programming (3). Concepts of object oriented programming using languages such as Visual Basic. Prerequisite: BUS 151; CIS 185; ENG 325 or concurrent enrollment in ENG 325. (F)

CIS 314 Overview of Operating Systems/Utilities (3). An overview of computer operating systems from PCs to mainframes. Includes OS theory and structure as well as an introduction to system control parameters, utilities, services, and command language. Prerequisites: BUS 151; CIS 185; ENG 325 or concurrent enrollment in ENG 325. (F,S)

CIS 321 Systems Development (3). Information systems methodologies and enterprise-wide managerial and organizational problems. Project management techniques, security techniques, system testing, and implementation. Prerequisites: BUS 151; CIS 185; ENG 325 or concurrent enrollment in ENG 325. (F)

CIS 330 Business Web Site Design (3). Analysis of page layout, web site design, graphics design, and marketing concepts for effective electronic commerce. Prerequisite: BUS 151; CIS 185; ENG 325 or concurrent enrollment in ENG 325. (S)

CIS 331 Data Communications and Networking (3). Concepts of data communications hardware, software, protocols, architecture, networks, and voice communication circuits. Prerequisites: BUS 151; CIS 185; ENG 325 or concurrent enrollment in ENG 325. (F)

CIS 343 Database Management Systems (3). Analysis, design, and implementation of database systems. Database application development in stand alone, multi-user, and distributed environments. Prerequisites: BUS 151, CIS 185, ENG 325 or concurrent enrollment in ENG 325. (S)

CIS 351 Microcomputing for Business (3). Evaluation of and advanced applications of electronic spreadsheets, database management, and graphics for the microcomputer. Prerequisites: BUS 151, CIS 151, ENG 325 or concurrent enrollment in ENG 325; STAT 213. (F, S, Su)

CIS 430 Advanced Web Development (3). Development, documentation, and debugging of World Wide Web scripting language applications. Use of various scripting languages to create server side applications. Prerequisite: BUS 151; CIS 330, 343; ENG 325. (F)

CIS 435 Network Infrastructure Design (3). Designing computer networks covering topics such as TCP/IP addressing, routing, DHCP, WINS, and DNS. Prerequisites: BUS 151; CIS 331; ENG 325. (S)

CIS 440 Network Infrastructure Implementation & Administration (3). Concepts for building and administering corporate network systems spanning multiple geographical regions and using various network operating systems and protocols. Prerequisite: BUS 151; CIS 435; ENG 325. (F)

CIS 468 Workshop in CIS (1-3). As announced. Prerequisites: BUS 151, ENG 325, consent of instructor. (May be repeated for a maximum of 3 credits.)

CIS 489 Internship (1-3). Minimum of eight weeks on-the-job experience related to the student's major. Daily journal and a written report relating the work experience to the student's education are required. Grading is satisfactory/unsatisfactory. Prerequisites: BUS 151; ENG 325, major in CIS, 3.0 GPA in CIS and related subjects, and consent of instructor.

CIS 491 Directed Study (1-3). Independent study under instructor's guidance. Prerequisites: BUS 151; ENG 325; consent of instructor.

CIS 493 Topics in Computer Information Systems (1-3). As announced. (May be repeated for a maximum of 6 hours with consent of advisor.) Prerequisite: BUS 151, ENG 325.

(CS) COMPUTER SCIENCE COURSES

CS 114 Computers and Society (3). Technical, social, and ethical issues in computing. Topics may include e-mail etiquette, world wide web search strategies, computer viruses, encryption, copyright, privacy, free speech, and the limits of computing. (S)

CS 123 Programming Fundamentals (C++) (3). Concepts and programming techniques fundamental to the practice and theory of Computer Science: I/O, operators and expressions, control structures, functions, and arrays. Prerequisite: MATH 107 or satisfactory ACT/SAT score. (F,S)

CS 131 Programming in FORTRAN (3). A first course in FORTRAN programming. All features of the FORTRAN language are used in programming projects. Prerequisite: MATH 107. (TBA)

CS 134 Intermediate Programming (C++) (3). Intermediate programming techniques: recursion, pointers, classes, and data abstraction. Prerequisites: CS 123 and either MATH 110 or satisfactory ACT/SAT score. (F,S)

CS 220 Mathematical Foundations of Computer Science I (3). Logic, methods of proof, mathematical induction, elementary set theory, functions, and relations. Prerequisites: CS 123 and either MATH 110 or satisfactory ACT/SAT score. (F)

CS 257 Data Structures (3). Object-oriented linear and tree structures, sorting and searching. Prerequisite: CS 134. (F)

CS 268 Workshop in Computer Science (1-3). As announced. (May be repeated for a maximum of 6 hours)

CS 288 Cooperative Education (1-3). Practical experience at a cooperating institution. Prerequisite: consent of instructor.

CS 293 Topics in Computer Science (1-3). As announced. (May be repeated for credit.)

CS 301 Programming Language Concepts (3). General concepts underlying the design and implementation of programming languages. Introduction to programming paradigms. Prerequisite: CS 134. Recommended CS 257. (S)

CS 320 Mathematical Foundations of Computer Science II (3). Counting, analysis of algorithms, recurrence relations, graph theory. Prerequisite: CS 220. (S)

CS/EET 340 Microprocessors and Assembly Programming (3). Programming and use of microcomputer hardware to perform basic and advanced control functions. Topics include architecture and instruction set of microprocessors, timing diagrams, address decoding schemes, and interrupt handling. Prerequisite: EET 241/241L or CS 123. (F)

CS 342 Computer Architecture (3). Fundamental concepts in the design of digital computers. I/O, arithmetic-logic unit, control unit and the memory hierarchy. Prerequisite: CS/EET 340. (S)

CS 360 Object Oriented Programming with Java (3). Design, specification, implementation, and testing of Java applets and applications. Prerequisite: CS 134 and either CIS 300 or concurrent enrollment in CS 257. (F)

CS 402 Models and Simulations (3). Creation, testing, and utilization of simulation techniques in the development of practical models for decision making. Prerequisites: CS 123, STAT 213. (TBA)

CS 404 Automata, Languages, and Computability (3). Basic concepts from finite automata, context free languages, Turing machines, and computability. Prerequisites: CS 257, CS 320, or consent of instructor. (F)

CS/MATH 409 Numerical Analysis I (3).

CS/MATH 410 Numerical Analysis II (3).

- CS 415 Software Engineering (3).** Software engineering principles including life-cycle models, specification, design, and verification. Students will work in teams on a large project. Prerequisites: CS 257, 360. (TBA)
- CS 451 Design and Analysis of Algorithms (3).** Techniques for analyzing performance of algorithms; principles and concepts of algorithm design. Prerequisites: CS 257, CS 320. (S)
- CS 457 Database Theory (3).** Theory of databases, including physical organization, conceptual design, relational database theory, and SQL. Prerequisites: CS 257, CS 320. (TBA)
- CS 461 Operating Systems (3).** Theory of operating systems. Topics include processes, file systems, memory management, and I/O. Prerequisites: CS 257, CS 340. (S)
- CS 468 Workshop in Computer Science (1-3).** As announced. (May be repeated for a maximum of 6 hours)
- CS 470 Compiler Design (3).** Theory and practice of compiler design. Scanning, grammars, parsing, semantics, intermediate representations, code generation, optimizations. Prerequisites: CS 220, CS 257. (TBA)
- CS 488 Cooperative Education (1-3).** Practical experience at a cooperating institution. Prerequisite: consent of instructor.
- CS 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of 4 hours) Prerequisite: Consent of instructor.
- CS 493 Topics in Computer Science (1-3).** As announced. (May be repeated for credit.)

(CJ) CRIMINAL JUSTICE

- CJ 102 Introduction to Criminal Justice (3).** Analysis of law and society with emphasis on the police, prosecution, the courts, corrections, and probation and parole. (F,S)
- CJ 225 Gangs in American Society (3).** Study of juvenile and adult groups that have joined together to engage in delinquent and criminal acts. (S)
- CJ 234 Victimization in American Society (3).** Study of crime victims, focuses on the physical, emotional, and financial harm people suffer at the hands of criminals. (F)
- CJ 268 Workshop in Criminal Justice (1-3).** As announced. May be repeated for a maximum of 6 hours.
- CJ 293 Topics in Criminal Justice (1-3).** As announced. May be repeated for a maximum of 6 hours.
- CJ/SOC 312 Criminology (3).** Background and social nature of crime: considers social structure, community factors, and criminal careers. Prerequisite: SOC 101, 212, or CJ 102. (S)
- CJ/SOC 340 Juvenile Delinquency (3).** Juvenile offender in the criminal justice system; perspectives on delinquency. Prerequisite: SOC 101 or CJ 102. (F,S)
- CJ 345 Corrections (3).** Punishment, penal institutions and reforms in society and history. Prerequisite: SOC 101 or CJ 102.
- CJ/SOC 431 Deviant Behavior (3).**
- CJ/SOC 432 Police and Society (3).** Contemporary and historical issues in law enforcement, including discretion, use of force, corruption, police roles, and the relationship of the police to the larger society. Prerequisites: SOC 101, or CJ 102. (F)
- CJ/SOC 434 Introduction to Social Research (3).**
- CJ 457 Probation and Parole (3).** Study of law, theory and practice of releasing supervised offenders back into the community. Prerequisite: CJ 102. (S)
- CJ 468 Workshop in Criminal Justice (1-3).** As announced. Prerequisite: CJ 102. May be repeated for a maximum of 6 hours.
- CJ 489 Internship (4).** Extension of academic experience to an organizational setting within a criminal justice or social/community services type of agency; work related experience under agency supervision. Prerequisite: Senior standing, approval of agency, consent of instructor. (F,S,Su)

- CJ 491 Directed Study (1-3).** Independent study. Prerequisite: CJ 102 May be repeated for a maximum of 4 hours. (F,S,Su)
- CJ 493 Topics in Criminal Justice (1-3).** As announced. Prerequisite: CJ 102. May be repeated for a maximum of 6 hours.

(DNC) DANCE COURSES

- DNC 101 Introduction to Dance (3).** Introduction to fundamentals of dance technique, dance history and aesthetics studied through text, video and participation. (F,S)
- DNC 102 Introduction to Modern Dance (3).** Introduction and development of basic modern dance technique and its history approached through academic study and participation. (Alt F)
- DNC 108 Introduction to Ballet (2).** Basic technique, vocabulary and classical ballet history approached through academic study and participation. Practical application of anatomical placement, posture, and control. (Alt F)
- DNC 202 Beginning Modern Dance (3).** Study of modern dance technique and history. Prerequisite: DNC 102 or consent of instructor. (Alt F)
- DNC 207 Dance Notation (2).** Introduction to the principles of labanotation and motif writing. (Alt S)
- DNC 208 Beginning Ballet (2).** Study of classical ballet technique and history. Prerequisite: DNC 108 or consent of instructor. (Alt S)
- DNC 210 Styles in Dance (2).** Basic styles of selected dance forms. A. Jazz; B. Theatrical; C. Tap; D. Performance Art. (Alt S)
- DNC 268 Workshop in Dance (1-3).** As announced. (May be repeated for credit.)
- DNC 283 Rehearsal and Performance (1).** Substantial participation in dance productions through practical experience in performance or choreographic assignments. (May be repeated for a maximum of 4 credits.) Prerequisite: Consent of instructor. (F,S)
- DNC 293 Topics in Dance (1-3).** As announced. (May be repeated for credit.)
- DNC 302 Intermediate Modern Dance (3).** Intermediate level modern dance technique and study of current dance aesthetics. Prerequisite: DNC 202 or consent of instructor. (Alt F)
- DNC 308 Intermediate Ballet (2).** Intermediate level classical ballet techniques and aesthetics. Prerequisite: DNC 208 or consent of instructor. (Alt F)
- DNC 351 Movement Improvisation (2).** Development of movement improvisational skills as related to choreography, acting and directing through class exercises and projects. (Alt F)
- DNC 394 Dance History (3).** The history and development of dance forms from ancient cultures to present day. (Alt S)
- DNC 402 Advanced Modern Dance (3).** Advanced study of modern dance techniques with emphasis on advanced level performance repertoire. Prerequisite: DNC 302 or consent of instructor. (Alt S)
- DNC 410 Styles in Dance (2).** Basic styles of selected dance forms. A. Jazz; B. Theatrical; C. Tap; D. Performance Art. (Alt S)
- DNC 451 Choreography (2).** Study of solo and ensemble choreography from an academic and practical perspective through class exercises and projects. Prerequisites DNC 207 and 351 or consent of instructor. (Alt F)
- DNC 468 Workshop in Dance (1-3).** As announced. (May be repeated for credit.)
- DNC 483 Rehearsal and Performance (1).** Substantial participation in dance productions through practical experience in performance or choreographic assignments. (May be repeated for a maximum of 4 credits.) Prerequisite: Consent of instructor. (F,S)

DNC 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours) Prerequisite: consent of instructor.

DNC 493 Topics in Dance (1-3). As announced. (May be repeated for credit.)

DNC 499 Major Recital (3). A performance of artistic exhibition demonstrating efficiency in selected dance forms. Required of all BFA majors with emphasis in dance during their senior year. Prerequisite: Consent of instructor. (F,S)

(ECON) ECONOMICS COURSES

ECON 221 Principles of Macro Economics (3). Interrelationships involving inflation, unemployment, gross national product, taxes, government spending and the domestic and world monetary systems. (A prerequisite for most upper-division courses; should be taken in the freshman or sophomore year.) Prerequisites: Math 107 or higher level math course.

ECON 222 Principles of Micro Economics (3). Economics of resource allocation with applications to the current economics problems of poverty, agriculture, monopoly, labor unions, and market structure. (A prerequisite for most upper-division courses; should be taken in the freshman or sophomore year.) Prerequisite: MATH 107 or higher level math course.

ECON 293 Topics in Economics (1-3). As announced. (May be repeated for 6 credits with consent of instructor and advisor.)

ECON 321 Intermediate Macroeconomic Theory (3). National income analysis, basic concepts, and composition of the components of national income accounts; aggregate economic and market analysis. Prerequisites: BUS 151; CIS 151; ECON 221, 222; ENG 325 or concurrent enrollment in ENG 325; MATH 110; STAT 213. (S)

ECON 322 Intermediate Microeconomic Theory (3). Economic price theory and resource allocation; commodity, factor price, and output determination under conditions of competition, oligopoly, and monopoly. Prerequisites: BUS 151; CIS 151; ECON 221, 222; ENG 325 or concurrent enrollment in ENG 325; MATH 110; STAT 213. (F, S)

ECON 338 Labor Problems (3). The determinants of employment and earnings in labor markets: Topics may include marginal productivity theory, human capital theory, compensating wage differentials, payment systems, internal labor markets, unions, and collective bargaining. Prerequisites: BUS 151; CIS 151; ECON 221, 222; ENG 325 or concurrent enrollment in ENG 325. (F)

ECON 409 Global Economics and Finance (3). Economic theory as applied to international trade and finance, the international monetary system and policies related to international payments, foreign exchange and capital markets, and contemporary international developments. Prerequisites: BUS 151, CIS 151; ECON 321, 322; ENG 325; FIN 311v. (TBA)

ECON 489 Internship (1-3). Minimum of eight weeks on-the-job experience related to the student's major. Daily journal and a written report relating the work experience to the student's education are required. Grading is satisfactory/unsatisfactory. Prerequisites: BUS 151; ENG 325; 3.0 cumulative GPA, instructor and department approval.

ECON 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours) Prerequisites: BUS 151; ENG 325; 3.0 cumulative GPA, consent of instructor and department approval.

ECON 493 Topics (1-3). As announced. (May be repeated for a maximum of 6 hours with consent of instructor.) Prerequisites: BUS 151; ENG 325.

(BLED) EDUCATION, BILINGUAL COURSES

BLED 201 Introduction to Bilingual Education (3). An historical overview with a focus on present trends and practices. (F)

BLED 293 Topics in Bilingual Education (1-3). As announced. (May be repeated for a maximum of 6 hours in BLED 293 and 493.)

BLED 334 Methods and Materials for Bilingual Education (3). Identification and evaluation of methods and materials currently used in bilingual education programs. (Instruction in Spanish.) (S)

BLED 350 Cultural and Linguistic Pluralism (3). Critical exploration of cultural and linguistic pluralism in the public schools; ESL methods and practices included. Ten hours of field experience required. Prerequisite: Successful completion of EDF 222; admission to Teacher Education Program. Recommend concurrent enrollment in ELED/SED 380. (F, S, Su)

BLED 380 ESL Methods and Materials (3). Identification and evaluation of methods and materials currently used in the teaching of English as a Second Language. Prerequisite: BLED 201. (Alt S)

BLED 405 Reading and the Bilingual Child (3). Acquisition of literacy skills by students whose dominant language is other than English. (Instruction in Spanish). Prerequisite: BLED 201. (F)

BLED 425 Parents' Role in the Bilingual Classroom (3). Theoretical background and guided practice in working with the parents of bilingual students. Role plays, case studies, participatory experiences, analysis of materials for parent education and guidance. (Instruction in Spanish) Prerequisite: BLED 201. (S)

BLED/RED 438 Language Arts and ESL (3). Development of listening, speaking, reading and writing skills within a language arts program for bilingual students. (S)

BLED 468 Workshop in Bilingual Education (1-3). As announced. (May be repeated for a maximum of 6 hours in all education workshops.)

BLED/ELED/FCS 473 Early Childhood Bilingualism (3). First and second language acquisition with reference to the young linguistically diverse child utilizing case studies and current research to include legal developments, family and school partnerships and parental rights. (Su)

BLED 490 ESL in Content Areas (3). Materials and practices for the development and incorporation of English as a Second Language in the instruction of the content areas. Prerequisite: BLED 438. (Alt F)

BLED 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours) Prerequisite: consent of instructor.

BLED 493 Topics in Bilingual Education (1-3). As announced. (May be repeated for a maximum of 6 hours in BLED 293 and 493.)

(EDF) EDUCATION FOUNDATIONS COURSES

EDF 100 Test-Taking Strategies and Skills (1). Specific test-taking strategies: time use, error avoidance, deductive reasoning; skills to help students improve their scores on standardized tests. Credit will not count toward graduation.

EDF 222 Structured Observations of Teaching (3). Introduction to the study and practice of teaching. For students interested in pursuing a career in teaching. Includes early field experience in precollegiate teaching. Required for advancement in the teacher education program. (F,S)

EDF 293 Topics in Education Foundations (1-3). As announced. (May be repeated for a maximum of 6 hours in EDF 293 and 493.)

EDF 301 Foundations of Schooling (3). Nature, aims, social, and cultural foundations of public schools and teaching; developmental milestones of children and youth and their relationship to teaching and learning; legal aspects of schooling. Prerequisites: Completion of EDF 222 with a grade of C or better; admission to the Teacher Education Program. (F, S, Su)

EDF/SOC 435 Sociology of Education (3).

EDF 468 Workshop in Education Foundations (1-3). As announced. (May be repeated for a maximum of 6 hours in all education workshops.)

EDF 478 Teaching the Multicultural Heritage of the Southwest (3). Cultural factors influencing development of Southwestern United States; practicing and prospective educators engage in developing units and exploring resources which focus upon contributions of various ethnic groups.

EDF 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours) Prerequisite: consent of instructor.

EDF 493 Topics in Education Foundations (1-3). Current topics in education; societal problems and innovative strategies applied by schools in response to these demands. (May be repeated for a maximum of 6 hours in EDF 293 and 493.) Prerequisites: upper-division status and BLEED 350 and EDF 222.

(ELED) EDUCATION, ELEMENTARY COURSES

ELED/FCS 221 Child Development (3).

ELED/FCS 280 Parent Involvement (3).

ELED/FCS 285 Practicum: Methods and Materials for Early Childhood Education (3). Supervised experiences in a classroom; students assume the role of teacher in planning, carrying out, and evaluating classroom experiences. Includes weekly seminar for evaluation of methods and materials.

ELED 293 Topics in Elementary Education (1-3). As announced. (May be repeated for a maximum of 6 hours in ELED 293 and 493.)

ELED/RED 311 Language Arts (3). The development of communication skills in children K-8; application of current research on literacy and communication to classroom strategies; materials and methods for writing, speaking, listening, and reading. (S)

ELED/FCS 343 Creative Experiences with Young Children (2).

ELED/FCS 343L Creative Experiences with Young Children Laboratory (1).

ELED/FCS 363 Early Childhood Learning Environment (3).

ELED 380 Assessment, Curriculum, and Management (3). Principles of curriculum development; assessment of pupil characteristics and abilities, lesson and unit planning, selection and use of media, application of modifications for individual needs, and organization of classrooms. Field experience required. Prerequisites: EDF 222, admission to Teacher Education Program. Recommend prior completion or concurrent enrollment in BLEED 350. Concurrent enrollment **strongly recommended** in RED 360. (F, S, Su)

ELED 400 Methods for Integrated Curriculum I (6). A variety of educational techniques with a focus on discovery/inquiry and literacy methods. Integrates all curricular areas with emphasis on language arts and social studies. Field experience required. Prerequisites: EDF 222, 301; BLEED 350; ELED 380; SPED 305; and RED 360. Concurrent enrollment required in ELED 412. (F, S)

ELED 412 Methods for Integrated Curriculum II (6). A variety of educational techniques with a focus on discovery/inquiry and literacy methods. Integrates all curricular areas with emphasis on science and mathematics. Field experience required. Prerequisites: BLEED 350; EDF 222, 301; ELED 380; SPED 305. Concurrent enrollment required in ELED 400. (F, S)

ELED 450 Seminar in Student Teaching (2). Explores the dynamics of the student teaching experience in partnership with the school community. Prerequisite: successful completion of all course requirements for degree or licensure. Concurrent enrollment: ELED 460. (F, S)

ELED 460 Student Teaching: Elementary (10). Placement in public school classroom; brief period of observation followed by gradual assumption of responsibilities and control of classroom; instructional planning and delivery; evaluation of learners; communications with parents. Prerequisite: successful completion of all course requirements for degree or licensure. Concurrent enrollment: ELED 450.

ELED/FCS 465 Child Guidance (3).

ELED/FCS 465L Child Guidance Laboratory (1).

ELED 468 Workshop in Elementary Education (1-3). As announced. (May be repeated for a maximum of 6 hours in all education workshops.)

ELED/BLED/FCS 473 Early Childhood Bilingualism (3). (Su)

ELED/FCS 482 Methods of Early Childhood Education (4).

ELED/FCS 484 Practicum in Early Childhood Education (4).

ELED 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours) Prerequisite: consent of instructor.

ELED 493 Topics in Elementary Education (1-3). As announced. (May be repeated for a maximum of 6 hours in ELED 293 and 493.)

(RED) EDUCATION, READING COURSES

RED 100 Basic Reading Skills (3). Reading development leading to sufficient reading skills to meet university reading demands. (Will not apply toward graduation or reading certification endorsement.)

RED/ELED 311 Language Arts (3).

RED 315 Literacy Through Children's Literature (3). Development of children's literacy explored through literature written for children. Literature-based curriculum and student response to literature examined. Ideology, theme, content, and genre in Literature presented as aspects of literacy pedagogy. (F)

RED 317 Literacy Through Adolescent Literature (3). Literature development explored through literature written for adolescents. Literature-based curriculum and student response to literature examined. Ideology, theme, content, and genre in literature presented as aspects of literacy pedagogy. (S)

RED 320 Writing Centered Classrooms (3). This course will focus on methods of teaching writing in K-12 settings across disciplines. Creating writing centered classrooms through fostering the development of student writers, writing processes and meta cognitive strategies. Prerequisite: ENG 104 - Recommended additional course work in writing (See list on page 64).

RED 360 Reading in the Elementary School (3). Introduction to general reading processes, techniques, materials, and facilities used to teach reading. Addresses the teaching of reading to diverse populations. Field experience required. Prerequisite: EDF 222. Concurrent enrollment **strongly recommended** in ELED 380. (F, S)

RED/BLED 438 Language Arts and ESL (3). (S)

RED 468 Workshop in Reading (1-3). As announced. (May be repeated for a maximum of 6 hours in all education workshops.)

RED 470 Early Childhood Reading/Writing Development (3). Emergent literacy in context of family, community, and culture. Family literacy issues from birth to age 7, early reading/writing development, age-appropriate practice, qualitative research in psycholinguistics and child development. Prerequisite: RED 360 or consent of instructor. (F, S)

RED 471 Constructive Evaluation of Literacy (3). Introduces a variety of strategies for evaluating literacy outcomes in the classroom setting. Practicum required. Prerequisite: RED 360. (F)

RED 490 Field Studies in Reading (1-3). (May be repeated for a maximum of 6 hours with permission of instructor.) Prerequisite: consent of instructor.

RED 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours) Prerequisite: consent of instructor.

RED 493 Topics in Reading (1-3). As announced. (May be repeated for a maximum of 6 hours in RED 293 and 493.)

RED 495 Teaching of Reading in the Content Area (3). Selection and utilization of printed materials by teachers to enhance content area learning.

(SED) EDUCATION, SECONDARY COURSES

SED 293 Topics in Secondary Education (1-3). As announced. (May be repeated for a maximum of 6 hours in SED 293 and 493.)

SED 380 Secondary School Teaching/Learning (3). Responsibilities of secondary school classroom teachers; establishing a classroom climate; conducting instruction effectively with modifications for diverse learners; student assessment, grading; classroom management; methods of teaching reading and writing across curriculum. Prerequisites: EDF 222; admission to the Teacher Education Program. Concurrent enrollment in EDF 301 and BLED 350 permitted; recommended concurrent enrollment in SED 410. (F, S)

SED 410 Issues in Secondary Teaching (3). Issues and problems confronting secondary teachers; roles and responsibilities of secondary teachers in working with curriculum, instruction, students, colleagues, and community members to enhance learning. Prerequisites: EDF 222, admission to Teacher Education Program; SPED 338 for dual licensure. Recommended concurrent enrollment in SED 380. (F, S)

SED 450 Seminar in Student Teaching (2). Explores the dynamics of the student teaching experience in partnership with the school community. Concurrent enrollment in SED 460. Prerequisite: Completion of EDF 222, SPED 305, EDF 301, BLED 350, SED 380, SED 410 with a grade of C or better, and completion of requirements for the major. (F, S)

SED 460 Secondary Student Teaching (10). Observation and teaching under supervision in secondary school; conferences on problems of student teaching; placement in public school classroom; instructional planning and delivery; evaluation of learners; communicating with parents. Prerequisite: Completion of EDF 222, SPED 305, EDF 301, BLED 350, SED 380 (or SPED 338 for dual licensure), SED 410 with a grade of C or better, and completion of requirements for the major. (F, S)

SED 468 Workshop in Secondary Education (1-3). As announced. (May be repeated for a maximum of 6 hours in all education workshops.)

SED 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours) Prerequisite: consent of instructor.

SED 493 Topics in Secondary Education (1-3). As announced. (May be repeated for a maximum of 6 hours in SED 293 and 493.)

(SPED) EDUCATION, SPECIAL COURSES

SPED 293 Topics in Special Education (1-3). As announced. (May be repeated for a maximum of 6 hours in SPED 293 and 493.)

SPED 300 Introduction to Special Education (3). Nature, needs, laws, educational concerns, collaborative models of teaching, modifications, and uses of technology to meet needs of exceptional students in different categories. (F,S)

SPED 305 Students with Disabilities in the Regular Classroom (3). Strategies for adapting instruction and utilizing technologies to meet the learning needs of exceptional students in regular classrooms. (F, S)

SPED 330 Assessment in Special Education (3). Techniques for diagnostic and prescriptive teaching and formal, informal and ecological assessment with applications of technologies for exceptional individuals. Prerequisite: EDF 222, SPED 300 with a grade of B or better. (F, S)

SPED 338 Behavior Management: Exceptional Individuals (3). Major concepts and techniques of effective classroom and behavior management utilizing technologies for applied behavioral analysis. Ten hours field work required. Prerequisite: EDF 222, SPED 300 with a grade of B or better. (F,S)

SPED 411 Literacy Methods and Materials (3). Classroom methods, curriculum, procedures and materials to promote exceptional individuals' literacy skills. Modification of regular education, assistive technology; inclusion, functional academics, and vocational/life skills. Prerequisites: SPED 300, 330, 338. Concurrent enrollment: SPED 412, 413. (F,S)

SPED 412 Content Methods and Materials (3). Classroom methods, curriculum, procedures, and materials used in education of exceptional individuals in mathematics and content areas, including the arts. Modifications of regular education, assistive technology, and inclusion. Prerequisites: SPED 300, 330, 338. Concurrent enrollment: SPED 411, 413. (F, S)

SPED 413 Practicum: Special Education Methods (3). 60 hours of field work which includes application of instructional technologies with exceptional individuals. Course requirements may be fulfilled at the place of employment with instructor's approval. Prerequisites: SPED 300, 330, 338. Concurrent enrollment: SPED 411, 412. (F, S)

SPED 414 Vocational/Life Skills Education (3). Curricula, instructional techniques and materials related to prevocational, vocational and life skills programs for students with disabilities. (F,S)

SPED 445 Student Teaching: Special Education (10). Observation and teaching under supervision in special education; conferences on problems of student teaching; placement in public school classroom; instructional planning and delivery; evaluation of learners; communicating with parents. Prerequisite: successful completion of all course requirements for degree or licensure. Concurrent enrollment: SPED 447. (F, S)

SPED 447 Seminar in Special Education (2). Explores the dynamics of the student teaching experience in partnership with the school community. Prerequisite: successful completion of all course requirements for degree or licensure. Concurrent enrollment: SPED 445. (F,S)

SPED 468 Workshop in Special Education (1-3). As announced. (May be repeated for a maximum of 3 hours in all education workshops.)

SPED 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 3 hours) Prerequisite: consent of instructor.

SPED 493 Topics in Special Education (1-3). As announced. (May be repeated for a maximum of 6 hours)

(EET) ELECTRONICS ENGINEERING TECHNOLOGY COURSES

EET/ENGR 101 Introduction to Engineering (3). Fields and functions of engineering; the engineering approach to problem solving; use of electronic calculators; graphical presentation; spoken and written communications; professionalism. (S)

EET 110 Basic Circuit Analysis (3). This course consists of materials for circuit analysis from a direct current (DC) standpoint. Topics include voltage, current, resistors, power and energy, plus analysis of series and parallel circuit. Concurrent enrollment: EET 110L. (F)

EET 110L Basic Circuit Analysis Laboratory (NC). Concurrent enrollment: EET 110. (F)

EET/ENGR 111 Engineering Graphics (3). An introduction to engineering graphics using computer aided design/drafting. Topics include geometric construction, orthographic projection, principle and auxiliary views, and related materials necessary to produce detailed drawings. Concurrent enrollment: EET/ENGR 111L. (F)

EET/ENGR 111L Engineering Graphics Laboratory (NC). Concurrent enrollment: EET/ENGR 111. (F)

EET 210 Intermediate Circuit Analysis (3). Topics include developing loop equations for series and parallel alternating circuits. Analog circuit simulation program familiarization. Investigation of impedance, frequency response, resonance, filter networks, transformers and complex waveforms. Prerequisite: EET 110/110L. Concurrent enrollment: EET 210L. (S)

EET 210L Intermediate Circuit Analysis Laboratory (NC). Concurrent enrollment: EET 210. (S)

EET 219 Computer Aided Drafting (3). Drawings of machines and machine-elements including threads, fasteners, springs, and gears. The study of terminology, concepts, hardware/software, and techniques necessary to understand, assemble, maintain and use a CAD system. Prerequisite: EET 111/111L. Concurrent enrollment: EET 219L. (S)

EET 219L Computer Aided Drafting Laboratory (NC). Concurrent enrollment: EET 219. (S)

EET 237 Semiconductor Devices (3). This course consists of materials for solid state devices such as diodes and transistors, small signal and elementary amplifier analysis. Prerequisite: EET 110/110L. Concurrent enrollment: EET 237L. (S)

EET 237L Semiconductor Devices Laboratory (NC). Concurrent Enrollment: EET 237. (S)

EET 241 Logic Circuits (3). Pulse and logic circuits common to computers, data systems, analytical tools, and their applications. Digital circuit analysis using computer simulations. Concurrent enrollment: EET 241L. (F)

EET 241L Logic Circuits Laboratory (NC). Concurrent enrollment: EET 241. (F)

EET 242 Sequential Circuits and Applications (3). A continuation of Logic Circuits. The course will focus on sequential and finite state machines. Analysis of timing characteristics for flip-flops and latches are included. Prerequisite: EET 241/241L. Concurrent enrollment: EET 242L. (S)

EET 242L Sequential Circuits and Applications Laboratory (NC). Concurrent enrollment: EET 242. (S)

EET 268 Workshop in Engineering Technology (1-3). As announced. (May be repeated for a maximum of 6 hours) (TBA)

EET 280 Electric Machines and Sensors (3). DC motors and generators, induction motors and generators, and various electrical and mechanical sensors are studied. Course emphasis is on the motor's principal of operation and application with PLC. Prerequisites: EET 210/210L and EET 237/237L. Concurrent enrollment: EET 280L. (F)

EET 280L Electric Machines and Sensors Lab (NC). Concurrent enrollment: EET 280. (F)

EET 293 Topics in Engineering Technology (1-3). As announced. (May be repeated for a maximum of 6 hours with consent of instructor or advisor.)

EET 310 Linear Systems Analysis (3). This course includes topics necessary for design and analysis of complex electronic circuits. Topics include: network analysis, analysis of continuous-time and discrete-time systems, sampling theorem, Laplace transform. Prerequisites: EET 210/210L and MATH 124. Concurrent enrollment: EET 310L. (F)

EET 310L Linear Systems Analysis Laboratory (NC). Concurrent enrollment: EET 310. (F)

EET 337 Operational Amplifiers (3). A continuation of Semiconductor Devices course. Operational amplifiers, troubleshooting, and low-and-high frequency amplifiers are studied. Prerequisite: EET 237/237L. Concurrent enrollment: EET 337L. (F)

EET 337L Operational Amplifiers Laboratory (NC). Concurrent enrollment: EET 337. (F)

EET/CS 340 Microprocessors and Assembly Programming (3). Programming and use of microcomputer hardware to perform basic and advanced control functions. Topics include architecture and instruction set of microprocessors, timing diagrams, address decoding schemes, and interrupt handling. Prerequisite: EET 241/241L or CS 123. (F)

EET 357 Electronic Communications I (3). Electronic circuits of modern electronic communications are studied. Topics include basic radio frequency transmitter and receiving systems, antennas, and audio signal processing. Prerequisite: EET 337/337L. Concurrent enrollment: EET 357L. (Alt F)

EET 357L Electronic Communications I Laboratory (NC). Concurrent enrollment: EET 357. (Alt F)

EET 421 Special Problems (1-2). May be repeated for a maximum of 6 hours.

EET 437 Electronic Circuit Design/Analysis (3). A continuation of Operational Amplifiers course. The materials covered in this course include transistors modeling, transistors small signal analysis, transistors frequency response, and compound configurations. Prerequisites: EET 337/337L. Concurrent enrollment: EET 437L. (Alt S)

EET 437L Electronic Circuit Design/Analysis Laboratory (NC). Concurrent enrollment: EET 437. (Alt S)

EET 441 Circuit Design with PLDs (3). Topics include study of design techniques used in digital electronics from programmable logic perspectives. A comparison between PLDs approach to that of using hardwired design is conducted. Prerequisite: EET 242. Concurrent enrollment: EET 441L. (F)

EET 441L Circuit Design with PLDs Laboratory (NC). Concurrent enrollment: EET 441. (F)

EET 450 Control Systems (3). Materials for this course include feedback theory of control systems and the principles of continuous and discrete control systems. Prerequisites: EET 310/310L and EET 337/337L. Concurrent enrollment: EET 450L. (Alt S)

EET 450L Control Systems Laboratory (NC). Concurrent enrollment: EET 450. (Alt S)

EET 457 Electronic Communications II (3). The course presents advanced materials within modern electronic communications. Materials include microwave devices, fiber optics, and radio-wave propagation. Digital and data communication, and system noise sources are also investigated. Prerequisite: EET 357/357L. Concurrent enrollment: EET 457L. (Alt S)

EET 457L Electronic Communications II Laboratory (NC). Concurrent enrollment: EET 457. (Alt S)

EET 468 Workshop in Engineering Technology (1-3). As announced. (May be repeated for a maximum of 6 credits.) (TBA)

EET 472 Microprocessor and Microcomputer Interfacing (3). Design of microcontroller applications using evaluation boards. Interfacing to external memory and I/O devices. Study of A/D and D/A conversions. Prerequisite: EET/CS 340. Concurrent enrollment: EET 472L. (S)

EET 472L Microprocessor and Microcomputer Interfacing Laboratory (NC). Concurrent enrollment: EET 472. (S)

EET 489 Industrial Internship (3). For three (3) hours credit a student must be employed for a minimum of 20 hours per week during a regular semester and 40 hours per week during the summer semester. Prerequisite: consent of department committee.

EET 490 Special Project (3). Engineer Technology project with particular emphasis on analysis, design, documentation, and application to one or more practical problems. Prerequisite: EET 242, EET 337, EET/CS 340. (Alt S)

EET 491 Directed Study (1-3). Independent study. Prerequisite: consent of instructor. (May be repeated for a maximum of 4 credits with consent of instructor/advisor.)

EET 493 Topics in Engineering Technology (1-3). Prerequisite: Consent of instructor. (May be repeated for a maximum of 6 credits with consent of instructor or advisor.)

(ENG) ENGLISH COURSES

ENG 100 Basic Writing Skills (3). Specific instruction in basic composition, sentence construction, paragraph development, and introduction to the essay. Class format includes individualized instruction. Credit will not count toward graduation. (F,S,Su)

ENG 102 English Composition (3). Specific instruction in college-level reading and writing, various types/forms of academic essays, writing as a process, critical thinking, close reading, and standards of academic discourse. Placement by ACT score. (F,S,Su)

ENG 104 English Composition and Research (3). A continuation of ENG 102; applies critical thinking, reading, and writing skills to research paper writing. In order to enhance students' interdisciplinary research, special topics may be selected. Prerequisite: ENG 102 or 108. (F,S,Su)

ENG 106 English as a Second Language (3). English for the non-native speaker based on the application of modern linguistics. Open only to students whose native language is not English. (This course does not meet the undergraduate requirements for freshman composition.)

ENG 106L English as a Second Language Lab (1). Practice speaking English in a group situation: topics include cultural exchange, history, customs, current events, education and personal life experiences. Open only to students whose native language is not English. Co-requisite: enrollment in ENG 106. (F)

ENG 107 English as a Second Language (3). A continuation of ENG 106; developmental language for use in the academic and business worlds; syntactic analyses. Open only to students whose native language is not English. (This course does not meet the undergraduate requirements for freshman composition.)

ENG 107L English as a Second Language Lab (1). Continuation of ENG 106L. Co-requisite: enrollment in ENG 107.

ENG 108 English Composition (Honors) (3). Writing expository and persuasive essays; enhanced critical thinking and writing skills based on reading and discussion of diverse texts related to a main topic or idea. Prerequisite: Honors standing or consent of instructor. (F)

ENG 109 Composition and Research (Honors) (3). A continuation of ENG 108; applies critical thinking, reading, and writing skills to scholarly research paper writing. To enhance students' interdisciplinary research, special topics may be selected. Prerequisite: ENG 102 or 108, Honors standing or consent of instructor. (S)

ENG 201 Types of Literature (3). An introduction to a literary genre. Subtitles vary by semesters. A. Short Story; B. Novel; C. Drama; D. Poetry; E. Science Fiction. (May be repeated for credit under different subtitle, with consent of instructor.) Designed primarily for non-majors.

ENG 211 Introduction to Literature (3). Elements of the short story, the novel, poetry, and drama: mythology, literary terms, basic techniques of each literary form; practice in writing about literature.

ENG 221 British Literature Survey I (3). Overview of British literature from Beowulf to the eighteenth century. Prerequisite: ENG 211. (F,S)

ENG 222 British Literature Survey II (3). Overview of British literature from pre-romanticism to the contemporary period. Prerequisite: ENG 211.

ENG 235 Advanced Composition (3). For students striving for fluency, maturity, and significance in writing: short works from master writers studied for ideas, style, and structure. (F)

ENG 268 Workshop in English (1-3). As announced. (May be repeated for a maximum of 6 hours)

ENG 275 The Motion Picture (3). Criticism of film as an art and literary form; selected films with attention to composition and final impact. (S)

ENG 293 Topics in English (1-3). As announced. (May be repeated for credit.)

ENG 311 American Literature Survey I (3). Literatures of U.S. territories from their beginnings in pre-colonial Native American oral narratives to 1865. Readings include creation myths, sermons, journals, essays, short stories, poetry, and excerpts from novels. Prerequisite: ENG 211. (F,S)

ENG 312 U. S. Literature Survey II (3). An overview of U.S. American literatures from 1865 to the present. Prerequisite: ENG 211. (F,S)

ENG 315 American Literature to 1835 (3). Study of literatures in and/or concerned with the New World, including but not limited to texts from the following periods: contact/colonization; Enlightenment, Early National. See schedule for specific content. Prerequisites: Recommended ENG 211 or 221/222 or 311/312 or consent of instructor.

ENG 319 U.S. Literature 1900 to present (3). Study of literatures produced from 1900 to present. Focus may include texts from the following: Modernism; Progressivism; Symbolism; Harlem Renaissance; Contemporary; Post-Modern movements. See schedule for specific content. Prerequisites: Recommended ENG 211 or 221/222 or 311/312 or consent of instructor.

ENG/THTR 324 Workshop in Playwriting (3).

ENG 325 Professional and Technical Writing (3). Techniques and forms of professional and technical writing, including reports, proposals, letters, and other media. Prerequisite: ENG 102 and 104 or consent of instructor.

ENG 327 U.S. Literature 1825 to 1900 (3). Study of U.S. literatures produced from 1825 to 1900. Focus may include texts from Romanticism; Realism; Naturalism; Regionalism; Literatures of Social Protest; Slavery and Civil War Literatures. See schedule for specific content. Prerequisites: Recommended ENG 211 or 221/222 or 311/312 or consent of instructor.

ENG 330 Literary Theory (3). Survey of literary theory with an emphasis on contemporary theories, including: Structuralist, Psychoanalytic, Reader-Response, Feminist, Marxist, Cultural Materialist and New Historicist. Prerequisites: Recommended ENG 211 or 221/222 or 311/312, or consent of instructor.

ENG 335 Creative Writing (3). Concentration on one genre of creative writing; varying subtitles: A. Fiction; B. Poetry; C. Drama/Screenplay.

ENG 340 British Literature 600-1600 (3). Study of literatures produced between 600-1600. Focus may include, but not limited to texts from the following periods; Middle Ages, Early Modern Period to 1600. See schedule for specific content. Prerequisites: Recommended ENG 211 or 221/222 or 311/312 or consent of instructor.

ENG 342 British Literature 1600-1800 (3). Study of literature produced between 1600-1800. Focus may include, but not limited to texts from the following periods; Early Modern; Restoration; 18th Century. See schedule for specific content. Prerequisites: Recommended ENG 211 or 221/222 or 311/312 or consent of instructor.

ENG 344 British Literature 1800 to Present (3). Study of literature produced between 1800 and present. Focus may include, but not limited to texts from the following periods; Romantic; Victorian; Modern; Contemporary. See schedule for specific content. Prerequisites: Recommended ENG 211 or 221/222 or 311/312 or consent of instructor.

ENG 376 Chicano Literature (3). Writings of Chicano authors, particularly those of the last century. Includes accounts of Chicano life, experiences, and examples of creative writing in varied types of literature. (TBA)

ENG 378 World Literatures (3). Study of major texts in World Literature, including, but not limited to Classical literature; Biblical literature; or other literatures in a global context. See schedule for specific content. Prerequisites: Recommended ENG 211 or 221/222 or 311/312 or consent of instructor.

ENG 405 Basic Linguistics (3). A survey of the ideas and applications of language science; achievements of traditional philosophy; the modern structural and transformational approaches; synchronic and diachronic linguistics; phonology and morphemics; semantics; lexicography. Recommended for English, education, and anthropology majors. (Alt S)

ENG 410 English Grammar (3). Traditional and generative-transformational grammar: parts of speech, sentence structure, diagramming, and consideration of the natural linguistic capacity of the speaker of English.

ENG 413 Literature of the Southwest (3). Literature by resident authors in the Southwest since 1850; writings about the Southwest by visitors; social institutions of the country as revealed in novels, plays, and poetry. (Alt F)

ENG 415 Expository Writing (3). The study of the format and content of writing that sets forth or explains in detailed statements or extended treatises. Writing assignments appropriate to the work place. Prerequisites: ENG 102, 104. (Alt F)

ENG 416 Report Writing (3). Clarifying, reducing, expanding, and synthesizing materials for manuals, annual reports, and technical reports. Audience adaptation, organization, style, and mechanics explored. Significant analytical term report required. Prerequisites: ENG 102, 104; 235 or 325. (Alt S)

ENG 426 American Authors/Genres/Themes (3). Intensive courses designed to explore selected authors, literary forms, or unifying cultural or ideological concepts. See schedule for specific content. ENG 426A: When offered under this rubric, course fulfills requirement for American Literature before 1825. Prerequisites: Recommended ENG 211 or 221/222 or 311/312 or consent of instructor.

ENG 430 British Authors/Genres/Themes (3). Intensive courses designed to explore selected authors, literary forms, or unifying cultural or ideological concepts. See schedule for specific content. ENG 430A: When offered under this rubric, course fulfills requirement for British Literature before 1600. Prerequisites: Recommended ENG 211 or 221/222 or 311/312 or consent of instructor.

ENG 439 World Authors/Genres/Themes (3). Intensive courses designed to explore selected authors, literary forms, or unifying cultural or ideological concepts. See schedule for specific content. Prerequisites: Recommended ENG 211 or 221/222 or 311/312 or consent of instructor.

ENG 441 Shakespeare: Tragedies and Histories (3). Close readings of Shakespeare's major tragedies and chronicle plays.

ENG 442 Shakespeare: Comedies and Problem Plays (3). Close readings of Shakespeare's comedies, romances, and problem plays.

ENG 445 English Language Studies (3). Intensive study designed to enhance student's knowledge of linguistic structure and/or English language history. See schedule for specific content. Prerequisites: Recommended ENG 211 or 221/222 or 311 or 312 or consent of instructor.

ENG 447 Literary and Cultural Studies (3). Intensive study of organizing principles, ideologies, or symbols in relation to specific cultural contexts. Not limited to literary texts. See schedule for specific content. Prerequisites: Recommended ENG 211 or 221/222 or 311/312 or consent of instructor.

ENG 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours) Prerequisite: consent of instructor.

ENG 493 Topics in English (1-3). As announced. (May be repeated for credit.)

ENG 496 Methods of Teaching Secondary English (3). Materials, methods, and procedures for improvement of instruction in composition. Includes problems connected with teaching mechanics, language structure, organization, and the interpretation and appreciation of literature. (F)

(ENGR) ENGINEERING COURSES

ENGR/EET 101 Introduction to Engineering (3). (S)

ENGR/EET 111 Engineering Graphics (3). Prerequisite: Concurrent enrollment: ENGR/EET 111L. (F)

ENGR/EET 111L Engineering Graphics Laboratory (NC). Prerequisite: Concurrent enrollment: ENGR/EET 111. (F)

(EXCH) EXCHANGE STUDY PROGRAMS

EXCH 300 International Educational Exchange Study (9-16). Students study in programs abroad. See page 19.

EXCH 305 National Student Exchange (1-16). Students study at other universities in the United States. See page 19.

(FCS) FAMILY AND CONSUMER SCIENCES COURSES

FCS 101 Orientation and Careers (1). An introduction to the field of family and consumer sciences and the many careers for family and consumer scientists. (S)

FCS 103 Clothing Selection and Construction (2). Wardrobe planning, selection, and purchase based on computer program evaluation of body shapes; personal color systems, style preference, and fabrics. Evaluation of apparel quality. Application of garment construction techniques. Concurrent enrollment: FCS 103L. (F)

FCS 103L Clothing Selection and Construction Laboratory (1). Concurrent enrollment: FCS 103. (F)

FCS 112 Introduction to Nutrition (3). Study of basic nutrition principles. Selection of nutritionally sound diets for individuals and families. Computer analysis of one's diet; factors influencing diet selection. Recent developments and controversies in nutrition. (F)

FCS 121 Observation of Infants (1). Observation and experience with infants and toddlers ages birth to two in child care settings; includes seminar sessions. Must have transportation for off campus lab. Prerequisite: consent of instructor. (F)

FCS 122 Observation of Pre-School Children (1). Observation and experience with pre-schoolers ages three to five in child care settings; seminar sessions. (S)

FCS 123 Observation of School Age Children (1). Observation and experience with school age children ages five to eight in child care settings; includes seminar sessions. Must have transportation for off campus lab placement. Prerequisite: consent of instructor. (Alt F)

FCS 124 Child Care Basic Competencies (3). Designed for entry level early care, education and family support professionals. Knowledge, skills and attitude development with practice in the seven early childhood education competency areas. For elective credit only. Permission of instructor required for enrollment. (F, S, Su)

FCS 131 Consumer Education (3). Study of the interaction of consumers, government, and domestic and foreign markets. Evaluation of consumer information and protection. Analysis of economic, social, and political factors that influence buying decisions. (S)

FCS 213 Food Science (2). Application of food science principles to the preparation of food; physical and chemical changes that occur during preparation and storage; selection criteria, nutrient composition, and food sanitation. Concurrent enrollment: FCS 213L. (F)

FCS 213L Food Science Laboratory (1). Concurrent enrollment: FCS 213.

FCS/ELED 221 Child Development (3). Physical, social, emotional and cognitive growth and development of the child from conception through adolescence. Includes observations of children. (S)

FCS 243 Direction of Early Childhood Programs (3). Development and management of child care programs for infants and young children; administration of parent involvement activities, educational, social, health, and nutrition services; responsibilities for program planning and evaluation. (Alt F)

FCS 253 Housing (2). Economic and social aspects of the housing. Technological development, energy efficiency, and housing options will be considered. Development of floor plans through the use of CAD; interpretation of blueprints. Concurrent enrollment: FCS 253L. (F)

FCS 253L Housing Laboratory (1). Concurrent enrollment in FCS 253. (F)

FCS 268 Workshop in Family and Consumer Sciences (1-3). As announced. (May be repeated for a maximum of 6 hours)

FCS/ELED 280 Parent Involvement (3). The dynamics of involving parents in early childhood education programs.

FCS/ELED 285 Practicum: Methods and Materials for Early Childhood Education (3).

FCS 293 Topics in Family and Consumer Sciences (1-3). As announced (May be repeated for credit.)

FCS 301 Textiles (2). Study of basic fibers, weaves, yarns, fabrics, and finishes. The selection, use, and care of fabrics for apparel and home furnishings. Concurrent enrollment: FCS 301L. (F)

FCS 301L Textile Laboratory (1). Concurrent enrollment: FCS 301. (F)

FCS 303 Household Equipment (3). Selection, care, and operation of household equipment with emphasis on energy efficiency and environmental impact. (Alt S)

FCS 323 Techniques for Effective Parenting (3). The parent/child relationship with emphasis on communication skills, guidance techniques, and methods.

FCS 331 Human Nutrition (3). Essential nutrients, their metabolic function and role in health and disease prevention throughout the life cycle. Appropriate strategies for achieving healthy, desirable weight. Prerequisites: CHEM 113/113L or FCS 112. (S)

FCS 332 Meal Management (2). Principles of budgeting, planning, preparing, and serving attractive meals and snacks. Efficiency in use of time, energy, and money in food selection and preparation. Prerequisites: FCS 213/213L. Concurrent enrollment: FCS 332L. (Alt S)

FCS 332L Meal Management Laboratory (1). Concurrent enrollment: FCS 332. (Alt S)

FCS 333 Family Relationships (3). Family relationships through all stages of the family life cycle; methods for teaching about family relationships at the secondary level. (S)

FCS/ELED 343 Creative Experiences with Young Children (2). Development of appropriate programs and activities for young children through integrated content and curriculum based on social, intellectual, physical and emotional areas of development. Concurrent enrollment: FCS/ELED 343L. (F)

FCS/ELED 343L Creative Experiences Laboratory (1). Supervised experience planning and participating in activities with children ages three to five; application of principles of child growth and development for families and teachers. Concurrent enrollment: FCS/ELED 343. (F)

FCS 345 Pattern Design (3). Creation of original garment design using the flat pattern method: grading, draping, fitting, altering patterns. Prerequisite: FCS 103/103L or consent of instructor. Concurrent enrollment: FCS 345L. (Alt F)

FCS 345L Pattern Design Laboratory (NC). Concurrent enrollment: FCS 345. (Alt F)

FCS 347 Fashion Merchandising (3). Managerial and personnel responsibilities of the merchandiser in planning, selecting, buying, promoting, and selling of textiles and clothing. Apparel production and distribution channeling. Includes trip to Dallas Apparel Mart. Prerequisites: FCS 301/301L, or consent of instructor. (Alt S)

FCS 353 Interior Design (2). Practical application of design elements and principles in selection, coordination, and arrangement of home interiors and furnishings. Budgetary considerations are studied. Concurrent enrollment: FCS 353L. (S)

FCS 353L Interior Design Laboratory (1). Concurrent enrollment: FCS 353. (S)

FCS/ELED 363 Early Childhood Learning Environment (3). Planning the physical environment, schedules, and techniques to implement learning experiences and activities for young children in a variety of settings. Includes on-site observations. (S)

FCS 401 Family and Consumer Sciences Seminar (1). A culminating study of the philosophy, ethics, and current issues of the profession. Resume development and interviewing practice in preparation for obtaining employment. Development of portfolio. Prerequisite: Completion of 24 hours of Family and Consumer Sciences credits. (S)

FCS 403 Sociological and Psychological Aspects of Dress (3). Study of the establishment and social meaning of appearance, its interpretation and importance in social, psychological, and cultural contexts. (F)

FCS 411 Demonstration Techniques Laboratory (1). Observation and practice of the lecture-demonstration methods as a technique for creating interest and imparting information. Prerequisite: completion of 20 hours of Family and Consumer Sciences credits. (S)

FCS/SOC 415 Sociology of the Family (3).

FCS 421 Special Problems (1-2). (May be repeated for a maximum of 4 hours)

FCS 423 Tailoring (2). Techniques of tailoring; construction of coat or suit. Concurrent enrollment: FCS 423L. (Alt S)

FCS 423L Tailoring Laboratory (1). Concurrent enrollment: FCS 423. (Alt S)

FCS 433 Family Finance (3). Principles of financial management applied to family finances. Analysis of personal and family goals; use of problem solving experiences to develop strategies for managing monetary resources. Prerequisite: FCS 131, or consent of instructor. (Alt S)

FCS 435 Home Based Entrepreneurship (3). Examination of services or products which have potential for home based businesses. Emphasis on financing a business, market survey, and development of a business plan. (Alt S)

FCS 443 Experimental Foods (2). The experimental approach to food study integrating theory and professional research studies with laboratory work. An individual experiment is planned, conducted, evaluated, and reported using formal reporting techniques. Prerequisite: FCS 213/213L or consent of instructor. Concurrent enrollment: FCS 443L. (Alt Su)

FCS 443L Experimental Foods Laboratory (1). Concurrent enrollment: FCS 443. (Alt Su)

FCS 461 Family Resource Management (3). Management techniques to maximize time, energy, and resource use; family process theory; coordination of decision making with values and goals; healthy communication; balancing home and work responsibilities, wellness management. (F)

FCS/ELED 465 Child Guidance (3). The role of the teacher in guiding young children; parent/teacher relationships. Concurrent enrollment: FCS 465L. Prerequisites: FCS 221, 343 and Early Childhood Education majors must be admitted to the Teacher Education Program. (S)

FCS/ELED 465L Child Guidance Laboratory (1). Supervised observation and teaching of children ages three to five in the Child Development Center. Includes planning and implementing experiences with young children. Concurrent enrollment: FCS 465. Prerequisites: FCS 221, 343 and Early Childhood Education majors must be admitted to the Teacher Education Program. (S)

FCS 468 Workshop in Family and Consumer Sciences (1-3). As announced. (May be repeated for a maximum of 6 hours)

FCS/BLED/ELED 473 Early Childhood Bilingualism (3). (Su)

FCS 479 Methods of Teaching FCS (3). Explores principles of teaching in FCS and the career and technical areas. Emphasizes critical understanding, development and organization of subject content that promotes quality of life for individuals and families. Prerequisite: Admittance to and at least 6 credits in a Teacher Education Program. (F, S, Su)

FCS/ELED 482 Methods of Early Childhood Education (4). Developmentally appropriate curriculum, materials and methods for the early childhood classroom. Prerequisites: FCS 221, 343 and Early Childhood Education majors must be admitted to the Teacher Education Program. (Alt F)

FCS/ELED 484 Practicum in Early Childhood Education (6). Placement in an early childhood program. Supervised observation, planning, teaching, evaluation of learners, and working with parents of young children. Prerequisites: FCS/ELED 465/465L or 482 and Early Childhood Education majors must be admitted to the Teacher Education Program. (F, S, Su)

FCS 489 Field Placement (3). Field placement under supervision of professional staff from a cooperating off-campus agency and the Family and Consumer Sciences department faculty. Student MUST have Family and Consumer Sciences department approval the semester prior to registration. Special request form required. This course is graded pass/fail. (May be repeated for a maximum of 6 hours with approval.) (F, S, Su)

FCS 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours)

FCS 493 Topics in Family and Consumer Sciences (1-3). As announced. (May be repeated for a maximum of 6 hours)

(FIN) FINANCE COURSES

FIN 201 Principles of Finance (3). Concepts and techniques of financial management. Also included are the time value of money, basic instruments of financing, financial planning, capitalization, and marketing of securities. May not be taken for academic credit after completion of FIN 311 with a grade of C or better. Prerequisites: ACCT 201, 202. (TBA)

FIN 293 Topics in Finance (1-3). As announced. (May be repeated for a maximum of 6 credits with consent of instructor and advisor).

FIN 311 Corporation Finance (3). Business finance with emphasis on the corporation: methods and instruments of financing, financial plans, capitalization, marketing of securities, administration of income; surplus and dividend policies, consolidation, reorganization, and social policy. Prerequisites: ACCT 201, 202; BUS 151; CIS 151; ECON 221, 222; ENG 325 or concurrent enrollment in ENG 325; MATH 110; STAT 213.

FIN 332 Financial Institutions and Environment (3). Management of the financial institution within the changing global economy. The role of the central bank and the banking system in money creation at the regional, national and international level. Prerequisites: BUS 151; ENG 325 or concurrent enrollment in ENG 325; FIN 311. (F)

FIN 431 Investments: Principles and Policies (3). Investment practices and analysis; investment institutions; investment objectives, methods of analyzing risks and return; price relationships of securities; development of personal investment plans. Prerequisites: BUS 151; ENG 325; FIN 311. (S)

FIN 472 Economic/Finance Problems (3). The development of theory and case application of economic and financial management techniques. Topics include financial planning and analysis, economic forecasting, capital budgeting, working capital management, valuation, and costs of funds. Prerequisites: BUS 151; CIS 151; ENG 325; ECON 321, 322; FIN 311, 332. (S)

FIN 489 Internship (1-3). Minimum of eight weeks on-the-job experience related to the student's major. Daily journal and a written report relating the work experience to the student's education are required. Grading is satisfactory/unsatisfactory. Prerequisites: BUS 151; ENG 325; 3.0 cumulative GPA, instructor and department approval.

FIN 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours) Prerequisites: BUS 151; ENG 325; 3.0 cumulative GPA, instructor and department approval.

FIN 493 Topics (1-3). As announced. (May be repeated for a maximum of 6 hours with consent of instructor.) Prerequisite: BUS 151; ENG 325.

(FR) FRENCH COURSES

FR 101 Beginning French (4). Development of speaking, reading, and writing skills and introduction to linguistic structures in a cultural context. (F)

FR 102 Continuation of Beginning French (4). Second semester of beginning French. Prerequisite: FR 101 or equivalent (consult with instructor). (S)

FR 201 Intermediate French (3). Grammar review and discussion of introductory literary texts from throughout the French-speaking world. Prerequisite: two semesters of beginning French or equivalent (consult with instructor). (F)

FR 202 Continuation of Intermediate French (3). Second semester of intermediate French. Prerequisite: FR 201 or equivalent (consult with instructor). (S)

FR 268 Workshop in French (1-3). As announced. (May be repeated for credit.)

FR 293 Topics in French (1-3). As announced. (May be repeated for credit.)

FR 311 Advanced Conversation and Composition (3). Development of spoken and written expression using materials that focus on contemporary French culture. (May be repeated for a maximum of 6 credits with consent of instructor.) Prerequisite: FR 202. (F)

FR 420 Readings in French Literature (3). A. Literature as History, B. Contemporary Themes, C. Theater and Film. Analysis of masterpieces of francophone literature, fiction, drama, and poetry. Student writings and discussions in French. (May be repeated for a maximum of 6 credits without repeating listed content areas with consent of instructor.) Prerequisite: FR 202. (S)

FR/SPAN 436 Teaching of Modern Languages (3). For students certifying in elementary and/or secondary education as language teachers. (Alt S)

FR 468 Workshop in French (1-3). As announced. (May be repeated for a maximum of 6 credits.)

FR 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 credits.) Prerequisite: consent of instructor.

FR 493 Topics in French (1-3). As announced. (May be repeated for credit.)

(GEOG) GEOGRAPHY COURSES

GEOG/ANTH 103 Humans and Their Environments (3).

GEOG/ANTH 233 People and Cultures of the World (3).

GEOG/GEOL 304 Geomorphology (3).

GEOG/GEOL 304L Geomorphology Laboratory (1).

(GEOL) GEOLOGY COURSES

GEOL 113 The Geological Environment (3). Geological processes and hazards, resources, and environmental problems including pollution, global warming and waste disposal. For non-majors only. GEOL 113L optional. (F,S)

GEOL 113L The Geological Environment Laboratory (1). Materials and processes of the solid earth. Optional: if taken, a student must enroll concurrently in GEOL 113 or after taking GEOL 113.

GEOL 123 Earth Resources (3). The occurrence, exploitation and use of Earth resources including metals, agricultural chemicals and minerals, industrial rocks and minerals, energy resources, soil and water resources. GEOL 123L is optional. (F)

GEOL 123L Earth Resources Laboratory (1). Identification and study of important rock and mineral commodities. Solving of practical problems faced by resource geologists. Concurrent enrollment: GEOL 123. (F)

GEOL 151 Physical Geology (3). The study of earth materials, and the important internal and surface processes shaping the earth. A field trip is required. Concurrent enrollment: GEOL 151L.

GEOL 151L Physical Geology Laboratory (1). Materials and processes of the solid earth. Three hours laboratory work per week. Concurrent enrollment: GEOL 151.

GEOL 152 Historical Geology (3). Evolution of the earth's surface and the biosphere; ancient environments and plate tectonics. A field trip is required. Prerequisite: GEOL 113/113L or 151/151L, or consent of instructor. Concurrent enrollment: GEOL 152L. (S)

GEOL 152L Historical Geology Laboratory (1). Fossils, geological environments and processes. Three hours laboratory work per week. Concurrent enrollment: GEOL 152. (S)

GEOL 268 Workshop in Geology (1-3). As announced. (May be repeated for a maximum of 4 hours)

GEOL 293 Topics in Geology (1-3). As announced. (May be repeated for credit with permission of advisor.)

GEOL/BIOL 302 Invertebrate Paleontology (3). Morphology, classification, and phylogeny of invertebrate fossils. Fossils in stratigraphic correlation and in reconstruction of sedimentary paleoenvironments. A field trip is required. Prerequisite: GEOL 152/152L or consent of instructor (open to biology majors without prerequisite). Concurrent enrollment: GEOL 302L. (Alt F)

GEOL/BIOL 302L Invertebrate Paleontology Laboratory (1). Identification, morphology, and practical applications of invertebrate fossils. Three hours laboratory work per week. Concurrent enrollment: GEOL 302. (Alt F)

GEOL 303 Crystallography-Mineralogy (3). Crystal symmetry, crystal chemistry, optical and x-ray crystallography, systematic mineralogy. A field trip is required. Prerequisite: CHEM 151/151L and 152/152L (completed or in progress), or consent of instructor. Concurrent enrollment: GEOL 303L. (Alt F)

GEOL 303L Crystallography-Mineralogy Laboratory (1). Crystal symmetry; identification of minerals using physical and optical properties and x-ray diffraction. Three hours laboratory work per week. Concurrent enrollment: GEOL 303. (Alt F)

GEOL/GEOG 304 Geomorphology (3). The origin and development of landforms and relationship of geomorphic principles to human activities. One or more field trips required. Prerequisite: GEOL 151/151L or consent of instructor. Concurrent enrollment: GEOL 304L. (Alt S)

GEOL/GEOG 304L Geomorphology Laboratory (1). Laboratory analysis of landforms and topographic features; topographic maps and photointerpretation. Three hours laboratory work per week. Concurrent enrollment: GEOL 304. (Alt S)

GEOL 311 Stratigraphy and Sedimentation (3). Correlation of stratigraphic units; interpretation of ancient environments from the sedimentary rock record; methods of stratigraphic and sedimentological analysis. A field trip is required. Prerequisite: GEOL 152/152L. Concurrent enrollment: GEOL 311L. (Alt S)

GEOL 311L Stratigraphy and Sedimentation Laboratory (1). Rock types, environments of deposition and stratigraphic mapping. Three hours laboratory work per week. Concurrent enrollment: GEOL 311. (Alt S)

GEOL 312 Structural Geology (3). Description, classification, and origin of folds, faults, joints, and other geologic structures; theory of stereographic projections and structural geologic map interpretation. A field trip is required. Prerequisite: GEOL 151/151L, MATH 111; or consent of instructor. Concurrent enrollment: GEOL 312L. (Alt S)

GEOL 312L Structural Geology Laboratory (1). Visualizing structures in three dimensions; line projections, solid geometry, faulting, and geologic mapping. Three hours laboratory work per week. Concurrent enrollment: GEOL 312. (Alt S)

GEOL 313 Photogeology (2). Aerial photographs for interpretation of geological features; photogrammetric principles and methods of photogeologic mapping. Prerequisite: GEOL 304/304L or consent of instructor. Concurrent enrollment: GEOL 313L. (Alt S)

GEOL 313L Photogeology Laboratory (1). Photogrammetric principles and photointerpretation; preparation of photogeologic maps. Four hours laboratory work per week. Concurrent enrollment: GEOL 313. (Alt S)

GEOL 324 Regional Field Geology (1). Mandatory attendance on eight-to-ten-day field trip, one two-hour classroom or field session per week before and after the trip. The structure, stratigraphy, geomorphology, economic geology, and other pertinent geologic characteristics of selected areas; field instrumental methods. Preparation of a road log and/or other assigned material in addition to examination. (May be repeated up to 4 hours.) Students will be required to pay their own expenses. Prerequisites: GEOL 151/151L, 152/152L. (S)

GEOL 332 Geologic Instruments and Field Methods (1). The theory of the Brunton compass, telescopic alidade, altimeter; application to field problems. One four-hour class/field period per week. Prerequisites: GEOL 151/151L, 152/152L; MATH 111; or consent of instructor. (Alt S)

GEOL 351 Petrology (3). The classification, description and genesis of igneous, sedimentary, and metamorphic rocks. One or more field trips are required. Prerequisites: GEOL 201/201L. Concurrent enrollment: GEOL 351L. (Alt S)

GEOL 351L Petrology Laboratory (1). Identification and description of igneous, sedimentary, and metamorphic rocks in hand specimen and thin section. Three hours laboratory per week. Prerequisites: GEOL 201/201L. Concurrent enrollment: GEOL 351. (Alt S)

GEOL 403 Petroleum Geology (3). Theory regarding the origin, migration, and accumulation of oil and gas; types of reservoirs; exploration and development of fields. A field trip is required. Prerequisites: GEOL 311/311L, 312/312L, or consent of instructor. Concurrent enrollment: GEOL 403L. (Alt F)

GEOL 403L Petroleum Geology Laboratory (1). Exercises that simulate work done by petroleum geologists. Problems of contouring, log interpretation and correlation, and other analyses of oil fields and well records. Three hours laboratory per week. Concurrent enrollment: GEOL 403. (Alt F)

GEOL 410 Environmental Geology (3). The human relationship to the geologic environment: resources, utilization, and exploitation; how geologic processes past and present have altered economic and sociological patterns. Prerequisite: consent of instructor.

GEOL 417 Economic Geology (3). Occurrence, classification, temporal and spatial distribution and origin of metallic mineral deposits; exploration, development and mining of deposits. One or more field trips are required. Prerequisite: GEOL 351/351L or consent of instructor. Concurrent enrollment: GEOL 417L. (Alt S)

GEOL 417L Economic Geology Laboratory (1). Study of ore sites and exploration techniques. Three hours laboratory per week. Concurrent enrollment: GEOL 417.

GEOL 420 Environmental Geochemistry (3). Review of basic chemical concepts. Geochemistry of natural waters, soil and the atmosphere. Water, soil, and air pollution, hazardous waste, and toxicology. Prerequisite: GEOL 113 or GEOL 151 or consent of instructor. (S)

GEOL 424 Geology Summer Field Camp (8). Geological field procedures, techniques, and instrumentation used in field work in the classic geological areas of the southwest—Arizona, New Mexico, Utah and Colorado. Students are required to pay transportation, food, housing and lab fee to cover course expense. Prerequisites: GEOL 151/151L, 152/152L.

GEOL 439 Teaching in Geology (1). Methods, resources, safety and lesson plans in teaching geology lecture and laboratory. Prerequisites: GEOL 151/151L, 152/152L; senior standing with major or minor in science; and consent of instructor. Open only to students working toward teaching licensure. Concurrent enrollment in CHEM 439 and PHYS 439.

GEOL/PHYS 450 Principles of Geophysics (3). The application of basic principles of physics and geology to the study of the earth, with an emphasis on applications to petroleum exploration. Prerequisites: GEOL 311/311L, 312/312L; PHYS 303, 305L; or consent of instructor. Concurrent enrollment: GEOL 450L.

GEOL/PHYS 450L Principles of Geophysics Laboratory (1). Collection and interpretation of gravimetric, seismic and sonic data. Concurrent enrollment: GEOL 450.

GEOL/CHEM 454 Geochemistry (3). Application of chemical principles to the study of geologic systems, aqueous geochemistry; crystal chemistry; surface chemistry; thermodynamics; oxidation-reduction; radioactive crystal chemistry; surface chemistry; thermodynamics; oxidation-reduction; radioactive and stable isotopes; kinetics. Prerequisites: CHEM 151/151L, 152/152L; GEOL 301/301L or consent of instructor. (Alt S)

GEOL 465 Senior Research Project (2). A project for student research; includes original research in geologic mapping (surface or subsurface), or other project deemed fitting; procedures of writing and illustrating the report. Prerequisites: senior standing, at least 24 hours GEOL and consent of instructor.

GEOL 468 Workshop in Geology (1-3). As announced. (May be repeated for a maximum of 6 hours)

GEOL/BIOL/CHEM/PHYS/ANTH 475 Scanning Electron Microscopy (2). Basic concepts of electron optics, resolution, scanning theory and image formation in the operation of the scanning electron microscope. Laboratory work will include SEM general maintenance, scope alignment, sample preparation and photographic procedures. One hour lecture and three hours laboratory weekly. Lab fee charged to cover laboratory material. Prerequisite: junior standing or consent of instructor. (F)

GEOL 481 Geological Literature and Writing (1). (May be repeated for a maximum of 3 hours) Prerequisites: at least junior standing and consent of instructor.

GEOL 482 Geology of New Mexico (2). The stratigraphic, structural, and geomorphic history of New Mexico. May not be taken in lieu of general education science requirement. Field trip required. Prerequisite: GEOL 113/113L or 151/151L or consent of instructor. (Alt S)

GEOL 484 Geology of Western National Parks (3). National parks in the American West: Structure, stratigraphy, and physiographic evolution. A field trip is required. Prerequisite: GEOL 113/113L or 151/151L. (Alt S)

GEOL 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours)

GEOL 493 Topics in Geology (1-3). As announced. (May be repeated for credit.)

GEOL 494 Senior Seminar (1-2). Selected professional topics. (May be repeated for a maximum of 2 hours) Prerequisite: senior standing or consent of instructor.

(GR) GREEK COURSES

GR 201 Beginning Greek (4). Fundamentals of the Greek language. (Alt F)

GR 202 Continuation of Beginning Greek (4). Continuation of GR 201. Fundamentals of the Greek language together with simple passages from the Greek New Testament. Prerequisite: GR 201. (Alt S)

GR 268 Workshop in Greek (1-3). As announced. (May be repeated for a maximum of 6 hours)

GR 293 Topics in Greek (1-3). As announced. (May be repeated for credit.)

- GR 301 Intermediate Greek (3).** The Greek language with reference to John's Gospel and Matthew. Prerequisite: GR 202. (Alt F)
- GR 302 Continuation of Intermediate Greek (3).** Continuation of GR 301. The Greek language with reference to Paul's writings. Prerequisite: GR 301. (Alt S)
- GR/REL 423 Advanced Greek Translation and Exegesis (2).** Selected passages from the New Testament and other Greek writings.
- GR/REL 424 Advanced Greek Translation and Exegesis (2).** As announced. Continuation of GR 423.
- GR 468 Workshop in Greek (1-3).** As announced. (May be repeated for a maximum of 6 hours)
- GR 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of 4 hours)
- GR 493 Topics in Greek (1-3).** As announced. (May be repeated for credit.)

(HPE) HEALTH AND PHYSICAL EDUCATION COURSES

ACTIVITIES COURSES

The following physical activity classes are designed to provide knowledge and application of fundamental movements and skills that may facilitate participation in activity at the recreation level.

NOTE: Classes meet two hours weekly during the fall and spring semesters and four hours weekly during the summer session.

- HPE 101 Soccer (1).**
- HPE 102 Softball (1).**
- HPE 103A Racquetball I (1).** Student must furnish racquet. (F, S)
- HPE 103B Racquetball II (1).** Student must furnish racquet. Prerequisite: HPE 103A or consent of instructor.
- HPE 107 Adaptive Physical Education (1).** Designed to aid students with special developmental needs. (May be repeated for credit with permission of instructor.) (F, S)
- HPE 110 Concepts in Fitness (1).** Designed for students desiring individualized programs based on indicated needs for health related fitness.
- HPE 111 Walking/Jogging (1).** Techniques of walking and jogging. Exercise program individualized for appropriate level of activity.
- HPE 112 Contemporary Activities/Topics (1).** Varying activities as indicated by topics titles. (For example, Contemporary Activities/Yoga)
- HPE 114 Badminton (1).**
- HPE 115 Self-Defense (1).** Introduction to a practical system of weaponless self-defense techniques appropriate for both genders and all ages. (F, S)
- HPE 116 Volleyball (1).** (F, S)
- HPE 117A Basketball I (1).** (F, S)
- HPE 117B Basketball II (1).** Prerequisite: HPE 117A or consent of instructor.
- HPE 118 Marching Band (1).** Prerequisite: Consent of Instructor. (F)
- HPE 119A Swimming I (1).** (F, S)
- HPE 119B Swimming II (1).** Prerequisite: HPE 119A or consent of instructor.
- HPE 122 Aerobics/Topics (1).** Aerobic conditioning activities; vary as indicated by topic titles. For example: Aerobics/Aqua, Hi-Lo, Kickboxing, Step. (F, S)
- HPE 124A Weight Training I (1).** (F, S)
- HPE 124B Weight Training II (1).** Advanced techniques and programs for resistance training. Prerequisite: HPE 124A or consent of instructor.
- HPE 125 Social Dance (1).**
- HPE 132A Golf I (1).** (F, S)
- HPE 132B Golf II (1).** Student must furnish golf clubs. Prerequisite: HPE 132A or consent of instructor.
- HPE 138A Tennis I (1).** Student must furnish tennis racquet. (F, S)
- HPE 138B Tennis II (1).** Student must furnish tennis racquet. Prerequisite: HPE 138A or consent of instructor.
- HPE 150M Men's Varsity Football (1).** Prerequisite: consent of instructor. (F)
- HPE 152M Men's Varsity Basketball (1).** Prerequisite: consent of instructor. (S)
- HPE 152W Women's Varsity Basketball (1).** Prerequisite: consent of instructor. (S)
- HPE 153M Men's Varsity Cross-Country (1).** Prerequisite: consent of instructor. (F)
- HPE 153W Women's Varsity Cross-Country (1).** Prerequisite: consent of instructor. (F)
- HPE 154M Men's Varsity Baseball (1).** Prerequisite: consent of instructor. (S)
- HPE 154W Women's Varsity Softball (1).** Prerequisite: consent of instructor. (S)
- HPE 156W Women's Varsity Tennis (1).** Prerequisite: consent of instructor. (S)
- HPE 166W Women's Varsity Volleyball (1).** Prerequisite: consent of instructor. (F)
- HPE 250M Men's Varsity Football (1).** Prerequisite: consent of instructor. (F)
- HPE 252M Men's Varsity Basketball (1).** Prerequisite: consent of instructor. (S)
- HPE 252W Women's Varsity Basketball (1).** Prerequisite: consent of instructor. (S)
- HPE 253M Men's Varsity Cross-Country (1).** Prerequisite: consent of instructor. (F)
- HPE 253W Women's Varsity Cross-Country (1).** Prerequisite: consent of instructor. (F)
- HPE 254M Men's Varsity Baseball (1).** Prerequisite: consent of instructor. (S)
- HPE 254W Women's Varsity Softball (1).** Prerequisite: consent of instructor. (S)
- HPE 256W Women's Varsity Tennis (1).** Prerequisite: consent of instructor. (S)
- HPE 266W Women's Varsity Volleyball (1).** Prerequisite: consent of instructor. (F)
- HPE 350M Men's Varsity Football (1).** Prerequisite: consent of instructor. (F)
- HPE 352M Men's Varsity Basketball (1).** Prerequisite: consent of instructor. (S)
- HPE 352W Women's Varsity Basketball (1).** Prerequisite: consent of instructor. (S)
- HPE 353M Men's Varsity Cross-Country (1).** Prerequisite: consent of instructor. (F)
- HPE 353W Women's Varsity Cross-Country (1).** Prerequisite: consent of instructor. (F)
- HPE 354M Men's Varsity Baseball (1).** Prerequisite: consent of instructor. (S)
- HPE 354W Women's Varsity Softball (1).** Prerequisite: consent of instructor. (S)
- HPE 356W Women's Varsity Tennis (1).** Prerequisite: consent of instructor. (S)
- HPE 366W Women's Varsity Volleyball (1).** Prerequisite: consent of instructor. (F)
- HPE 450M Men's Varsity Football (1).** Prerequisite: consent of instructor. (F)
- HPE 452M Men's Varsity Basketball (1).** Prerequisite: consent of instructor. (S)

- HPE 452W Women's Varsity Basketball (1).** Prerequisite: consent of instructor. (S)
- HPE 453M Men's Varsity Cross-Country (1).** Prerequisite: consent of instructor. (F)
- HPE 453W Women's Varsity Cross-Country (1).** Prerequisite: consent of instructor. (F)
- HPE 454M Men's Varsity Baseball (1).** Prerequisite: consent of instructor. (S)
- HPE 454W Women's Varsity Softball (1).** Prerequisite: consent of instructor. (S)
- HPE 456W Women's Varsity Tennis (1).** Prerequisite: consent of instructor. (S)
- HPE 466W Women's Varsity Volleyball (1).** Prerequisite: consent of instructor. (F)

STRATEGIES COURSES

- HPE 299 Strategies: Topics (2).** Teaching strategies for activities indicated by topics titles. (May be repeated for credit when topics vary.) Topics: Aquatics, Badminton, Basic Movement, Basketball, Conditioning, Dance for PE, Flag Football, Golf, Health Fitness Instruction, Life Guard Training, Low Organized Games, Racquetball, Recreational Activities, Softball/Baseball, Soccer, Tennis, Track/Field, Volleyball, Water Safety Instruction, Weight Training. Prerequisite: Appropriate activity class or consent of instructor. (F, S)

THEORY COURSES

- HPE 108 Fitness for Living (3).** Study of psychological adaptations to various types of physical training, optimizing of physical performance (including nutrition, environmental factors, and equipment), and other special considerations relating to fitness. (F, S)
- HPE 121 Concepts of Health/Wellness (3).** Concepts of physical, mental/psychological, and social health; implications for life-long health and wellness as influenced by personal behavior choices. (F, S)
- HPE 142 Fundamentals of Physical Well-being (1).** Concepts of physical well-being: components of physical fitness; nutrition; stress management; disease prevention; and other health-related topics. (F, S, Su)
- HPE 145 Concepts in Physical Education (3).** A foundation in the historical development; the physiological, psychological, and sociological components; current trends; contemporary issues; and the professional elements of physical education. (F)
- HPE 220 First Aid (2).** Required for Red Cross certification. (F, S)
- HPE 240 Drug Awareness (3).** Use, misuse, effects of prescription, over-the-counter, and recreational drugs (stimulants, depressants, hallucinogens) including the social context in which they're found. (Recommended for secondary teachers and other related occupations.) (S)
- HPE 245 Theory of Coaching (3).** Philosophy of coaching and leadership, current trends in sports and coaching, contemporary issues, legal aspects, and the professional elements of coaching. (F)
- HPE 268 Workshop in Health and Physical Education (1-3).** As announced. (May be repeated for a maximum of 6 hours)
- HPE 293 Topics in Health and Physical Education (1-3).** As announced. (May be repeated for credit.) (TBA)
- HPE 300 Basic Care/Prevention: Athletic Injuries (3).** Identifies injury/illness risk factors associated with participation in competitive athletics; plans and implements all components of comprehensive athletic injury/illness prevention program. Prerequisite: HPE 220 or current basic first aid/CPR certification. (S)

- HPE 308 Therapeutic Modalities (3).** Theories, applications, and methods of various modalities consisting of cryotherapy, electrotherapy, hydrotherapy, and thermotherapy, using modern protocols. Principles of contemporary therapeutic modality units of compression, traction, and massage. (S)
- HPE 309 Therapeutic Exercise (3).** Implementing a comprehensive rehabilitation/reconditioning program for injuries/illnesses sustained by the competitive athlete. Techniques of flexibility, muscular strength, and cardiovascular training. (F)
- HPE 310 Facilities Development (3).** Study of facilities for athletics, physical education, and recreation. Includes appropriate concerns of planning, designs, programming, financing, and the various types of facilities. (Alt S)
- HPE 312 Kinesiology (3).** Mechanical principles of human motion and analysis of basic sport skills. Prerequisite: BIOL 209/209L. (S)
- HPE 313 Physiology of Exercise (3).** Physiological basis of conditioning; muscle, nervous, and cardio-respiratory systems, metabolism, strength, endurance, and flexibility — how to improve performance using scientific information and processes. Prerequisite: BIOL 210/210L. (F)
- HPE 321 Wellness: Individual and Society (3).** Concepts of holistic wellness; components of wellness and the interrelationship among the components; theories and strategies for enhancing wellness for individuals and through health interventions in the community. (Alt S)
- HPE 330 Human Sexuality (3).** Concepts in human sexuality: reproduction, sexual response, sex roles, relationships, family living, and communication; includes contemporary issues — the moral, ethical, and legal aspects surrounding sexuality and sex education. (F, S)
- HPE 331 Coaching of Football (3).** Methods of coaching; teaching individual fundamentals, offensive and defensive team play, strategy and conditioning athletes. (S)
- HPE 333 Coaching of Basketball (3).** Methods of coaching; teaching individual fundamentals, systems of defense and offense. (F)
- HPE 335 Measurement/Evaluation of Human Movement (3).** Theory of measurements in health, physical education, and sport; selection and administration of appropriate tests; and interpretation of test results by fundamental statistical procedures. (Lecture and laboratory) (S)
- HPE 337 Coaching of Tennis (3).** Method and philosophies of coaching tennis. Fundamental stroke production techniques; advanced footwork and stroke production; and strategies for singles and doubles. Prerequisites: HPE 138A or HPE 138B or permission of instructor. (F)
- HPE 340 Recreation and Intramural Programming (3).** Organization and supervision of intramural and community-based sport and leisure programs. (S)
- HPE 341 Coaching of Volleyball (3).** Methods of coaching volleyball; teaching individual fundamentals, drills and offensive/defensive strategies and psychological aspects. (Lectures and laboratory.) (S)
- HPE 342 Coaching of Track and Field (3).** Various track and field events and methods of teaching each. (Alt S)
- HPE 345 Legal Aspects: Physical Education (3).** Laws and policies pertaining to physical education, intramural and athletics in the United States' public school system. (Alt F)
- HPE 348 Evaluation of Athletic Injuries/Illnesses (3).** Conduction of a thorough initial clinical evaluation of injuries/illnesses sustained by the competitive athlete and formulating an impression of the injury/illness. (F)
- HPE 381 Officiating of Sports (3).** Rules and mechanics for officiating sports, includes theory and practice. (F, S)
- HPE 382 Coaching of Softball and Baseball (3).** Methods of coaching; team development, and individual skills. (F)

HPE 389 Internship in Athletic Training (3-6). Practical work in athletic training as required by the National Athletic Trainer's Association. (May be repeated for a maximum of 6 hours) Prerequisite: HPE 300 and consent of head athletic trainer.

HPE 411 Motor Learning (3). Study of the theory, principles, and factors involved in the learning and performance of motor skills. Prerequisites: BIOL 209 and BIOL 210. (F)

HPE 423 Methods and Curriculum of Adapted Physical Education (3). Methods for teaching adapted physical education activities in elementary/secondary schools; activities for various age groups; lesson planning, development of curriculum and supervision of activity. Prerequisite: 4 hours of HPE 299. (F)

HPE 433 Methods/Curriculum in Physical Education (3). Methods for teaching physical education activities for various age groups; lesson planning; development of curriculum; and supervising activity. Prerequisite: 4 hours of HPE 299. (S)

HPE 468 Workshop in Health and Physical Education (1-3). As announced. (May be repeated for a maximum 6 hours)

HPE 473 Health Education Methods/Materials (3). Methods and materials for teaching health education in elementary and secondary school programs. (Alt S)

HPE 480 Administration in Physical Education and Athletics (3). Theory and practices in organization and administration of physical education, sport, and athletic training programs as related to finances, facilities, equipment, legal aspects, health care services, personnel, and public relations. (F)

HPE 489 Internship in HPE (1-3). Practical work experience (50 work hours for each credit; maximum 150 hours for 3 credits) in a specific organization (on-campus or off-campus) under the supervision of qualified personnel. Cannot be part of student's current job duties. Prerequisites: approval of agency; consent of advisor. (F,S,Su)

HPE 490 Professional Review (2). Demonstration and application of scientific principles of movement; professional file preparation; involvement with community and professional entities. To be taken the semester immediately prior to student teaching (or graduation). (F, S)

HPE 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours) Prerequisite: consent of instructor.

HPE 493 Topics in Health and Physical Education (1-3). As announced. (May be repeated for credit.)

(HEB) HEBREW COURSES

HEB 201 Beginning Hebrew (4). Fundamentals of Biblical Hebrew. (Alt F)

HEB 202 Continuation of Beginning Hebrew (4). Fundamentals of Biblical Hebrew with simple passages from the Hebrew Bible. Prerequisite: HEB 201. (Alt S)

HEB 268 Workshop in Hebrew (1-3). As announced. (May be repeated for a maximum of 6 hours).

HEB 293 Topics in Hebrew (1-3). As announced. (May be repeated for credit.)

HEB 301 Intermediate Hebrew (3). Biblical Hebrew prose with reference to selected passages. Prerequisite: HEB 202. (Alt F)

HEB 302 Continuation of Intermediate Hebrew (3). Continuation of HEB 301. Biblical Hebrew poetry with reference to selected passages. Prerequisite: HEB 301. (Alt S)

HEB 468 Workshop in Hebrew (1-3). As announced. (May be repeated for a maximum of 6 hours)

HEB 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours) Prerequisite: Consent of instructor.

HEB 493 Topics in Hebrew (1-3). As announced. (May be repeated for credit.)

(HIST) HISTORY COURSES

HIST 101 Survey of American History to 1877 (3). Development of American principles and ideals from the colonial era through the early national period; issues in sectional divergence and the Civil War and Reconstruction. (F, S, Su)

HIST 102 Survey of American History Since 1877 (3). Changes which brought the urban/industrial society of today into being; World Wars I and II and after. (F,S)

HIST 121 Survey of Western Civilization (3). Egyptian, Mesopotamia, and Cretan civilizations; early Greek political and intellectual development; Rome and the rise of the Christian Church; life and society in the Medieval period and the Renaissance in Italy and the North. (F)

HIST 122 Survey of Western Civilization (3). The Protestant Reformation and the birth of the modern world; rise of Absolutism, reactions to the rise in war and revolution; western technology, social and intellectual history; political trends to the present. (S)

HIST 203 New Mexico (3). New Mexico's Indian, Spanish, Mexican, and American epochs; internal development and problems of the state; New Mexico's place in the United States. (F)

HIST 293 Topics in History (1-3). As announced. (May be repeated for credit.) (S)

HIST 301 Mexico (3). Political, economic, and social development from pre-Spanish Mexico to the present. (F)

HIST 311 Women in American History (3). Women's participation in American history from colonial period to the present; political, social, economic, and cultural issues. (Alt S)

HIST 321 Greece and Rome in the Ancient World (3). Political and intellectual developments of Greece; the Roman Republic and Empire: political, legal, social, and economic considerations. (F)

HIST 322 The Middle Ages, 300-1300 (3). The decline of the Roman Empire; the rise of feudalism and manorialism; the rise of the medieval papacy; the beginning of the national state. (S)

HIST 324 Renaissance and Reformation 1300-1648 (3). The decline of feudalism, the rise of the national state; culture and the arts; the decline of the universal church; and the impact of the Reformation. (Alt F)

HIST 326 England (3). From earliest times to the present, with special emphasis on the development of political, legal, governmental, and social institutions. (Especially recommended for those considering careers in law or government.) (Alt S)

HIST 332 The Revolutionary Generation, 1754-1815 (3). The French-Indian Wars; American Revolution; Constitutional developments; Federalism in the era of Washington and Adams; Jeffersonian democracy; the War of 1812 and international problems; political, economic and social developments. (TBA)

HIST 333 The United States, 1815-1876 (3). Era of Good Feelings; Jacksonian democracy; Whig interludes; Westward expansion and the Mexican War; transportation revolution; the beginnings of industrialism; social reform movements; sectional rivalries and Civil War and Reconstruction. (TBA)

HIST 372 The American Military Experience (3). The colonial era through the Vietnam War; wars and tactical accounts of battles; industrial, economic, and political impacts on the military; role of the military in American life. (F)

HIST 401 Africa (3). Begins with a brief review of Africa to the nineteenth century; Africa in the nineteenth and twentieth centuries, including imperialism, independent movements, and emergence of the new African nations. (Alt F)

HIST 402 Modern Russia, 1815 to the Present (3). Europe after Napoleonic Wars; Tsarist government and society; rise of underground political activities; Revolutions of 1917; USSR from 1917 to present. (F)

HIST 403 Latin America (3). A survey of the social organization, cultural expressions, and economic and political institutions that evolved from pre-Columbian times to the present in Latin America.

HIST 405 The Middle East (3). Major factors in the development of the region and the background of its modern problems. (Alt S)

HIST 406 The Far East (3). India, China, and Japan, ancient through modern periods; emphasis on modern subjects of imperialism, anti-colonial and independence movements and the emergence of modern societies. (Alt F)

HIST/PSY 409 Teaching Social Studies (3). Curriculum, materials, methods, evaluation, and related aspects of instruction; integration of content and methodology. (F)

HIST 419 Absolutism and Enlightenment, 1648-1789 (3). Political, social, and economic considerations in European history during the Ages of Absolutism and Enlightenment. (Alt S)

HIST 425 Revolution and Reaction, 1789-1914 (3). Political, economic, and social considerations of European affairs from the French Revolution to World War I, with special emphasis on issues related to national and international events. (Alt S)

HIST 428 Europe, 1914-Present (3). Political, economic, and social considerations of World Wars I and II; Cold War conflict between East and West; and developing ideas of European Unity. (Alt S)

HIST 432 The American West (3). The movement of the American people after the Revolution into the trans-Mississippi West and Southwest; the economic, social, and political impact on the native populations, the environment, and the people themselves. (Alt F)

HIST 447 The United States, 1877-1930 (3). The "gilded age"; the triumph of industrialization; the rise of labor; farmers' protest movements; Populism; the Spanish American War and U.S. imperialism; the "progressive era"; World War I; the 1920s. (TBA)

HIST 448 The United States, 1930-Present (3). Political, economic, and social trends; the Great Depression and the New Deal; World War II; the Cold War, at home and abroad (TBA)

HIST 468 Workshop in History (1-3). As announced. (May be repeated for a maximum of 6 hours)

HIST 490 Senior Portfolio in History (1). Focus on thematic issues; emphasis on research, writing, and presentation of relevant research amassed as part of the undergraduate experience. Required of all majors in the Senior year. (F, S)

HIST 491 Directed Study (1-3). As announced. (May be repeated for credit.)

HIST 493 Topics in History (1-3). As announced. (May be repeated for credit.) (S)

(HON) HONORS COURSES

HON 497 Honors (1). Senior honors seminar and project preparation; required fall and spring semesters for Platinum Honors Program students; counts towards general education or elective requirements. Prerequisite: Consent of instructor and Director of Honors Program. (May be repeated for a maximum of four hours with consent of instructor). (F, S)

(HUM) HUMANITIES COURSES

HUM 105 Introduction to Women's Studies (3). The history of women represented in popular culture, literature, and art, and the female experience in relationships, education, and employment. Emphasis on interactions of race, class, and gender. (S)

HUM 171 The Chicano in American Humanities (3). The role of the Chicano in American art, literature, music, architecture, and philosophy. (F)

HUM 173 The Native American in American Humanities (3). The role of the Native American in American art, literature, music, architecture, and philosophy. (F)

HUM 175 The Black in American Humanities (3). The role of the Black in American art, literature, music, architecture, and philosophy. (F)

HUM 221 Introduction to World Humanities (3). Classical world traditions; African, Asian, European, and Native American, including their philosophies, arts, literature, and history in selected representative works. (F,S)

HUM 222 Introduction to Modern World Humanities (3). Modern world cultures of Africa, Asia, Europe, and North and South America; their philosophies, arts, literature, and history in selected representative works. (F,S)

HUM 268 Workshop in Humanities (1-3). As announced. (May be repeated for a maximum of 4 hours)

HUM 272 The Chicano in American Humanities in the Twentieth Century (3). The role of the Chicano in American art, literature, music, architecture, and philosophy. (S)

HUM 274 The Native American in American Humanities in the Twentieth Century (3). A continuation of HUM 173. The role of the native American in American art, literature, music, architecture, and philosophy. (S)

HUM 276 The Black in American Humanities in the Twentieth Century (3). A continuation of HUM 175. The role of the Black in American art, literature, music, architecture, and philosophy. (S)

HUM 293 Topics in Humanities (1-3). As announced. (May be repeated for credit)

HUM 301 Introduction to Oriental Humanities (3). Oriental culture and thought analyzed through a survey of pertinent history, philosophy, literature, and art. (F)

HUM 302 Introduction to African Humanities (3). Near East and African cultures: pertinent history, philosophy, literature, art and music. (S)

HUM 303 Introduction to Latin American Humanities (3). Central and South American cultures: history, philosophy, literature, art and music.

HUM 468 Workshop in Humanities (1-3). As announced. (May be repeated for a maximum of 4 hours)

HUM 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours) Prerequisite: Consent of instructor.

HUM 493 Topics in Humanities (1-3). As announced. (May be repeated for credit.)

(MGT) MANAGEMENT COURSES

MGT 293 Topics in Management (1-3). As announced. (May be repeated for a maximum of 6 credits with consent of instructor and advisor.)

MGT 310 Human Resources Management (3). Fundamental problems, principles, and practices of personnel administration; functions of employment: testing, wage and salary administration, job evaluation, merit, training, safety, medical group and compensation insurance, and employee benefits. Prerequisites: BUS 151; ENG 325 or concurrent enrollment in ENG 325; PSY 101. (F)

MGT 313 Contemporary Organizational Behavior (3). Investigation of individual, group, and organizational behavior in the multicultural environment. Concepts in the behavioral sciences used to evaluate and improve inter-personal relations and organizational practices in the work place. Prerequisites: BUS 151; ENG 325 or concurrent enrollment in ENG 325.

MGT 415 Compensation Management (3). Installation and administration of a complete wage and salary program. Includes objectives, policies, organizational controls, job evaluation, wage surveys and methods of obtaining acceptance of an integrated program. Prerequisites: BUS 151; CIS 151; ECON 338; ENG 325; MATH 110; MGT 310, 313; STAT 213. (S)

MGT 425 Training and Development (3). Study of the important issues and methods in training and personnel development in work organizations; training program design, analysis and evaluation are important components of the course. Prerequisites: BUS 151; ENG 325; MGT 313. (S)

MGT 435 Managing the Diverse Workforce (3). Examines the challenges facing organizations with a diverse workforce. Emphasizes the rewards and the problems of diversity in the workplace. Prerequisites: BUS 151; ENG 325. (S)

MGT 436 Labor Management Relations (3). Principal statutes, administrative board decisions, and common law applications to the problems of labor management relations; impact of collective bargaining and labor contracts to managerial decision-making; labor and management rights and duties under current labor legislation; wage structures and federal and state laws affecting wages. Prerequisites: BUS 151; ENG 325. (S)

MGT 475 Organization Change and Development (3). Critical examination of organizational change; goals, strategies, and empirical evidence of results. Organizational change programs examined in terms of both organization-environment congruence and fit among internal organizational components. Prerequisites: BUS 151; ENG 325; MGT 313. (S)

MGT 489 Internship (1-3). Minimum of eight weeks on-the-job experience related to the student's major. Daily journal and a written report relating the work experience to the student's education are required. Grading is satisfactory/unsatisfactory. Prerequisites: BUS 151; ENG 325; 3.0 cumulative GPA, instructor and college approval. (TBA)

MGT 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours) Prerequisites: BUS 151; ENG 325; 3.0 cumulative GPA, instructor and department approval.

MGT 493 Topics (1-3). As announced. (May be repeated for a maximum of 6 hours with consent of instructor.) Prerequisites: BUS 151, ENG 325.

(MATH) MATHEMATICS COURSES

MATH 101 Basic Algebra (4). Brief review of fractions, decimals, and percents. Operations in algebra, first-degree equations and inequalities, rational expressions, exponents, polynomials, factoring. Credit not applicable to baccalaureate or associate degrees. (F, S)

MATH 107 Intermediate Algebra (3). Linear equations, inequalities, systems of equations, polynomials and factoring, quadratic equations, rational expressions, and graphing. Prerequisite: Satisfactory ACT/SAT score or MATH 101 with a grade of C or better. (F,S)

MATH 110 College Algebra (3). Equations and inequalities, functions and their graphs, exponential and logarithmic functions, complex numbers, roots of polynomials, binomial theorem, sequences. Prerequisite: Satisfactory ACT/SAT score or MATH 107 with a grade of C or better. (F,S)

MATH 111 Plane Trigonometry (3). Trigonometric functions, logarithms, complex numbers. Prerequisite: Satisfactory ACT/SAT score or MATH 107 with a grade of C or better.

MATH 113 Mathematical Discovery (3). Appreciation for the beauty and extent of mathematics; logical reasoning and problem solving strategies. Topics chosen from: set theory, logic, algebra, geometry, probability, recreational math, number theory, graph theory, matrix algebra. Prerequisite: Satisfactory ACT/SAT score or MATH 101 with a grade of C or better. (F, S)

MATH 114 Mathematics of Decision Making (3). Critical thinking in everyday life. Topics: Probability, counting techniques, expected value, fundamental ideas of statistics, the use and misuse of statistics encountered in everyday life. Prerequisite: Satisfactory ACT/SAT score or MATH 101 with a grade of C or better.

MATH 121 Finite Mathematics (3). Logic, sets, combinations and permutations, probability, vectors, matrices, linear programming, and game theory with applications in the physical and social sciences, business, and economics.

MATH 124 Calculus I (4). Limits, derivatives, the mean value theorem, curve sketching, max-min problems, antiderivatives, the definite integral, the fundamental theorem of calculus, area, volume, work, average of a function. Prerequisite: MATH 110 and MATH 111 with a grade of C or better or satisfactory ACT/SAT score. (F, S)

MATH 132 Calculus II (4). Inverse functions, exponential and logarithmic functions, inverse trig functions, l'Hospital's rule, techniques of integration, improper integrals, arc length, moments and centers of mass, sequences and series. Prerequisite: MATH 124. (F, S)

MATH 202 Calculus III (4). Parametric equations, polar coordinates, three-dimensional geometry and vectors, partial derivatives, multiple integrals, vector calculus. Prerequisite: MATH 132. (F, S)

MATH 215 Calculus for Business (3). Basic concepts for differential and integral calculus to provide an operational knowledge of calculus, methods and techniques to solve quantitative problems in business and economics. (Business students only.) Prerequisite: MATH 110.

MATH 261 Mathematical Concepts I (3). The fundamental operations and an intuitive development of whole numbers, integers and rational numbers; elementary number theory; introduction to problem solving strategies; introduction to functions and modeling. Prerequisite: Satisfactory ACT/SAT score or MATH 101 with a grade of C or better. (F, S)

MATH 268 Workshop in Mathematics (1-3). As announced. (May be repeated for a maximum of 6 hours)

MATH 293 Topics in Mathematics (1-3). As announced. (May be repeated for credit.)

MATH 317 Introduction to Geometry (3). Two- and three-dimensional Euclidean geometry, and non-Euclidean geometry. Prerequisite: 9 hours of college math. (S)

MATH 340 Foundations of Higher Mathematics (3). Sets and logic, properties of integers, mathematical induction, functions, limits, sequences. Prerequisite: MATH 132. (F)

MATH 341 Abstract Algebra I (3). Formal algebraic systems: rings, fields, order relations, groups, modular arithmetic. Prerequisite: MATH 340. (S)

MATH 351 Ordinary Differential Equations (3). Ordinary differential equations and methods for solving such equations; power series and Laplace transformations; elementary theory of existence and uniqueness of solutions. Prerequisite: MATH 202. (F)

MATH 352 Introduction to Linear Algebra (3). Elementary treatment of linear algebra; topics include systems of linear equations, matrices, determinants, vector spaces, linear transformations, and eigenvalues and eigenvectors. Prerequisite: MATH 202 or consent of instructor. (S)

MATH 361 Mathematical Concepts II (3). Real numbers, non-axiomatic approach to geometry, mensuration with metric units, coordinate geometry, probability, and statistics. Prerequisite: MATH 261 or consent of instructor. (S)

MATH 371 Real Analysis (3). An introduction to the theory of calculus. Real numbers, limits, sequences, series, continuity, differentiation, integration. Prerequisite: MATH 340. (Alt S)

MATH 401 Advanced Calculus I (3). Theory of differential calculus for functions of one and several variables. Prerequisites: MATH 202, 371. (Alt F)

MATH 402 Advanced Calculus II (3). Theory of integral calculus, sequences and series of constants and of functions, transformations. Prerequisite: MATH 401. (Alt S)

MATH 407 Introduction to Complex Variables (3). Concepts of complex integration, differentiation, and mappings. Prerequisite: MATH 202. (Alt F)

MATH/CS 409 Numerical Analysis I (3). Solutions of equations in one variable, interpolation and polynomial approximation, numerical integration, and numerical solutions of initial-value problems. Prerequisites: MATH 132 and either CS 123 or CS 131. (F)

MATH/CS 410 Numerical Analysis II (3). Numerical linear algebra, numerical solutions of nonlinear systems of equations, partial differential equations, and two-point boundary-value problems. Prerequisites: MATH 132 and either CS 123 or CS 131. (S)

MATH 413 History of Mathematics (3). Concepts, symbols, and operations in mathematics; mathematical history in the teaching and learning of mathematics. Prerequisite: consent of instructor. (Alt Su)

MATH 415 Set Theory (3). Axioms for sets, ordering, cardinality, natural numbers, real numbers, cardinal numbers, axiom of choice. Prerequisite: consent of instructor. (Alt Su)

MATH 420 Combinatorial Analysis (3). Enumeration techniques; permutations, combinations, occupancy problems, generating functions, inclusion and exclusion, recurrence relations, Polya's theory of counting. Prerequisite: consent of instructor.

MATH 422 Graph Theory (3). Trees, networks, cycles and circuits, planarity, colorability, matchings, independence. The emphasis is on algorithms. Prerequisite: CS 220 or MATH 340. Recommended: CS 123.

MATH 423 Partial Differential Equations I (3). Partial differential equations; Fourier series; techniques for solving heat, wave, and potential equations. Prerequisite: MATH 351. (Alt F)

MATH 424 Partial Differential Equations II (3). Fourier integrals; partial differential equations in higher dimensions; numerical solutions; selected topics as time permits. Prerequisite: MATH 423. (Alt S)

MATH 425 Mathematical Logic (3). Quantifiers, deductive proofs, predicate calculus, Godel's theorem. Prerequisite: MATH 340 or consent of instructor.

MATH 429 Teaching of Mathematics (3). Methodology in secondary mathematics. Classroom management, lesson plans, testing, evaluation, grades and record keeping, curriculum, teaching high school algebra and general mathematics. (F)

MATH 442 Abstract Algebra II (3). Applications of abstract algebra: topics include permutation groups, symmetry groups, codes, graph theory, Boolean algebra, logic, networks. Prerequisite: MATH 341.

MATH 451 Linear Algebra (3). Advanced topics in linear algebra: topics include vector spaces, matrix algebra, inner product spaces, algebraic eigenvalue problems, Jordan forms, and computations with matrices. Prerequisite: MATH 352.

MATH 468 Workshop in Mathematics (1-3). As announced. (May be repeated for a maximum of 6 hours)

MATH 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours) Prerequisite: consent of instructor.

MATH 493 Topics in Mathematics (1-3). As announced. (May be repeated for credit.)

(MKT) MARKETING COURSES

MKT 293 Topics in Marketing (1-3). As announced. (May be repeated for a maximum of 6 credits with consent of instructor and advisor.)

MKT 301 Principles of Marketing (3). Functions, organizations, and methods involved in marketing agricultural and manufactured products; marketing problems; policies and trends. Concurrent enrollment in ECON 322 is encouraged. Prerequisites: BUS 151; ENG 325 or concurrent enrollment in ENG 325. Non-business majors may substitute ENG 104 and have upper-division standing.

MKT 322 Retailing and E-Commerce (3). Organization, management, and operation of retail enterprises; problems associated with store location and layout, buying, receiving, inventorying and stock control, pricing, and merchandising. Prerequisites: BUS 151; ENG 325 or concurrent enrollment in ENG 325; MKT 301. (S)

MKT 360 Professional Selling (3). Problems related to the field of personal selling. Prerequisites: BUS 151; ENG 325 or concurrent enrollment in ENG 325; MKT 301; PSY 101. (F)

MKT 362 Sales Management (3). Problems related to planning, direction, and control of personal salesmanship including recruiting, selection, training, equipping, assigning, routing, supervising, paying, and motivating as these tasks apply to the sales force. Prerequisites: BUS 151; ENG 325 or concurrent enrollment in ENG 325; MKT 301. (S)

MKT 419 Consumer Behavior (3). Examines and evaluates the decision-making process with reference to sociopsychological and economic factors. Explores both consumer and industrial buyer behavior. Prerequisites: BUS 151; ECON 322; ENG 325; MKT 301. (S)

MKT 425 Marketing Management (3). Integrates the full scope of marketing activities. Prerequisites: BUS 151, 381; ECON 322; ENG 325; MKT 301. (S)

MKT 430 International Marketing (3). Management of the marketing function in the international and multinational context. Emphasis upon the impact of economic, political, and cultural factors. Prerequisites: BUS 151; ECON 322; ENG 325; MKT 301. (F)

MKT 452 Integrated Marketing Communications (3). Planning, organizing, directing, and controlling the promotion mix. Creative strategy; budgets; media planning; promotion research; evaluation of communications efforts. Prerequisites: BUS 151; ENG 325; MKT 301. (F)

MKT 489 Internship (1-3). Minimum of eight weeks on-the-job experience related to the student's major. Daily journal and a written report relating the work experience to the student's education are required. Grading is satisfactory/unsatisfactory. Prerequisites: BUS 151; ENG 325; 3.0 cumulative GPA, instructor and department approval.

MKT 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours) Prerequisites: BUS 151; ENG 325; 3.0 cumulative GPA, instructor and department approval.

MKT 493 Topics (3). As announced. (May be repeated for a maximum of 6 hours with consent of instructor.) Prerequisite: BUS 151; ENG 325.

(MUS) MUSIC COURSES

Music Ensembles (1-2). Letter grades and grade honor points will be given for all ensembles.

Large Ensembles:

MUS	326	University Singers (1) (F,S)
MUS	337	Chamber Singers (1) (Open by audition only) (F,S)
MUS	392	Orchestra (1) (Open by audition only) (F,S)
MUS	397	Marching Band (1-2) (F)
MUS	398	Symphonic Band (1) (S)

Small Ensembles:

MUS	347	Swanee Singers (1) (Open by audition only) (F)
MUS	368	Instrumental Ensembles: Wind Ensemble (1) (Open by audition only) (F,S) Steel Drum Ensemble (1) (F,S) Percussion Ensemble (1) (F,S) Brass Ensemble (1) (F,S) Woodwinds (1) (F,S) Flute Choir (1) (F,S) Saxophone Ensemble (1) (F,S) String Ensemble (1) (F,S)
MUS	373	Jazz Ensemble (1) (F,S)

Applied Music (1-3).

Private Lessons for Non-Majors (may be repeated for credit)

MUS 208/408 Private Lessons for the Non-Major

Private Lessons for Majors (may be repeated for credit)

Required of all music majors. One half hour lesson per week for 1 credit. One hour lesson per week for 2 credits. One hour lesson plus a seminar per week or equivalent for 3 credits. Music majors must attend a one-hour weekly Studio Class. All music majors must pass an assessment examination before they are permitted to enroll in 400 level applied courses.

MUS	209, 409	Secondary Instrument
MUS	210, 410	Voice
MUS	220, 420	Piano
MUS	230, 430	String Instruments
MUS	240, 440	Woodwind Instruments
MUS	250, 450	Brass Instruments
MUS	258, 458	Composition
MUS	260, 460	Percussion Instruments
MUS	270, 470	Electronic Media
MUS	290, 490	Organ

MUS 101 Music Reading (3). For non-music majors. Notation, note values, meters, scales, key signatures, intervals, and chords. Exercises in music reading and aural perception. Recommended for elementary classroom teachers and for others wishing to develop skills in reading music. Also a basic course for music majors deficient in musical background.

MUS 103 Introduction to Jazz (3). For non-music majors. Major styles in jazz from ragtime to rock and beyond approached through its most innovative and influential performers. No previous music experience required. (F, S)

MUS 107 Beginning Piano for Adults I (2). For non-music majors. A course designed to provide the adult beginner with elementary piano skills. Includes: reading music notation; recognition of keyboard patterns, keys, and chords; development of technique sufficient to play easy pieces.

MUS 108 Beginning Piano for Adults II (2). For non-music majors. Continuation of MUS 107. Prerequisite: MUS 107 or consent of instructor.

MUS 113 Music Appreciation (3). For non-music majors. Attempts to answer the question "What is music?" by acquainting students with knowledge and appreciation of music from several cultures and times. Includes contact with music through discussion, guest artists, and recorded music. No previous musical training is needed. (F, S)

MUS 114 Fundamentals of Voice (1). Laboratory experiences to help solve vocal problems and develop singing potential through group methods; emphasis on development of breathing, phonation, articulation and expression. (May be repeated for a maximum of 4 credits.) (F,S)

MUS 117 Fundamentals of Piano (1). For music majors with little or no previous training in piano. (F)

MUS 118 Fundamentals of Piano (1). Prerequisite: MUS 117 or consent of instructor. (S)

MUS 119 Fundamentals of Guitar (1). Basic guitar skills including both classical and folk styles. For students with little or no previous training in guitar. (May be repeated for credit.) (F, S)

MUS 151 Music Theory I (3). Theoretical concepts including scales, intervals, triads, and acoustical properties of sound as they relate to music; rhythmic, melodic, and formal structures. Prerequisite: placement examination to be given on the first day of class. (F)

MUS 152 Music Theory II (3). Theoretical concepts, functional harmony, part writing, employing triads, seventh chords. Prerequisite: placement test or MUS 151. (S)

MUS 153 Aural Skills I (1). Development of music reading and aural perception. Prerequisite: placement test. (F)

MUS 154 Aural Skills II (1). Development of music reading and aural perception. Prerequisite: MUS 153. (S)

MUS 163 Literature of Music (3). A survey of music through listening and score study emphasizing musical styles, form and works of composers. (S)

MUS 181 MIDI I (3). Basic skills in the use of MIDI (Musical Instrument Digital Interface) to include MIDI time code, tone generation, notation sequencing, educational applications and computer assisted instruction. Includes lab experiences in MIDI production. Prerequisite: MUS 101 or consent of instructor. (Alt F)

MUS 182 Music Recording Techniques I (3). Beginning study in the recording of music. Basic concepts of stereophonic recording including: signal strength, microphones and microphone placement, equalization and recording media. (Alt F)

MUS 200 Jazz Theory (2). Chords, modes, aural skills, basic keyboard skills and reharmonization techniques in the jazz and commercial idioms. Prerequisites: MUS 152, MUS 154, or consent of instructor. (Alt F)

MUS 205 Music Theatre Production (1). Practical experience and training in activities involved with the technical production of music theatre. (May be repeated for credit.) (F,S)

MUS 208 Private Lessons for the Non-Major (1). Studio instruction in voice, keyboard, percussion, string, or wind instruments for students not majoring in music. (May be repeated for credit.) Prerequisite: Consent of instructor; MUS 108 for piano majors; MUS 114 for voice majors. (F, S)

MUS 209 Applied Lessons: Secondary Instrument (1-3). Private lessons for music majors on instruments (and voice) other than their principal instrument. (May be repeated for a maximum of 3 credits.) Prerequisite: Consent of instructor. (F, S, Su)

MUS 212 Assessment I (NC). Critique of musical performance by music faculty and outside professionals; oral presentation including written documentation to assess students' abilities, artistic identity, and future directions. (Freshmen and sophomores must enroll each spring semester). Prerequisite: Music majors only. (May be repeated.) (F,S)

MUS 217 Fundamentals of Piano (1). Prerequisite: MUS 118 or consent of instructor. (F)

- MUS 218 Fundamentals of Piano (1).** Prerequisite: MUS 217 or consent of instructor. (S)
- MUS 251 Music Theory III (3).** Functional harmony, analytical systems, eighteenth-century counterpoint, formal designs and chromatic harmony. Prerequisite: MUS 152. (F)
- MUS 252 Music Theory IV (3).** Impressionism and an exploration of twentieth-century compositional procedures as related to rhythm, melody, harmony, texture, and formal structures. Prerequisite: MUS 251. (S)
- MUS 253 Aural Skills III (1).** Music reading and development of aural perception. Prerequisite: MUS 154. (F)
- MUS 254 Aural Skills IV (1).** Music reading and development of aural perception. Prerequisite: MUS 253. (S)
- MUS 265 Introduction to Piano Pedagogy (2).** Overview of the piano teaching profession; concepts and materials; observation of individual and group instruction. (Alt S)
- MUS 268 Workshop in Music (1-3).** (May be repeated for credit.)
- MUS 273 Rehearsal and Performance in Music Theatre (1).** Substantial participation in music theatre productions through practical experience in performance assignments. (May be repeated for a maximum of 4 credits.) (F,S)
- MUS 281 MIDI II (3).** Intermediate study in MIDI technology to include: SMPTE time code, system exclusive commands, music publication, sound track and multimedia applications of MIDI technologies. Prerequisite: MUS 181. (Alt S)
- MUS 282 Music Recording Techniques II (3).** Continued study in the recording of music to include: Multi tracking, DAT, DCC, CD, Dolby, multiple microphone mixing, digital effects processing and SMPTE. Prerequisite MUS 182. (Alt S)
- MUS 293 Topics in Music (1-3).** As announced. May include topics relating to theory, history, or performance. (May be repeated for credit.)
- MUS 301 Jazz Improvisation I (2).** Chord and mode study on primary instrument. Study of standard jazz tunes and transcriptions of recorded jazz solos. Prerequisite: MUS 151 or consent of instructor. (Alt S)
- MUS 302 Junior Recital (NC).** For Bachelor of Music Education degree and piano minor only. Prerequisite: Consent of Instructor. (F, S)
- MUS 306 Conducting I (1).** Introduction to basic conducting techniques: patterns, gesture, starts and stops, cues, fermatas, use of the left hand. Prerequisites: MUS 251 and 253 or consent of instructor. (S)
- MUS 307 Junior Recital (1).** For Bachelor of Music degree only. Prerequisite: Consent of instructor. (F, S)
- MUS 308 Recital Attendance (NC).** Attendance at a minimum of 12 approved events per semester. A schedule of approved events will be distributed each semester. (F, S)
- MUS 332 Functional Piano (1).** Laboratory experience in functional piano skills. Development of sight reading, transposing, harmonization and improvisational skills. Prerequisite: MUS 218 or consent of instructor. (F)
- MUS 333 History of Music I (3).** Music from the beginning of Western Civilization to 1750. Prerequisite: Music major or consent of instructor. (F)
- MUS 334 History of Music II (3).** Music from 1750 to present. Prerequisite: Music major or consent of instructor. (S)
- MUS 352 Eighteenth-Century Counterpoint (2).** Study of form and polyphony in music of the Baroque period, with emphasis on analysis and composition. Prerequisites: MUS 252 or consent of instructor. (Alt F)
- MUS 357 Seminar in Music Business (1).** A one hour seminar with topics chosen from the music industry including songwriting and publishing, copyright law, contracts, the recording industry, merchandising, arts administration, grant writing, management, career planning. May be repeated for a maximum of 6 credits. Prerequisite: Consent of instructor. (F,S)
- MUS 360 Choral Arranging (2).** Techniques of arranging for vocal ensembles of various capabilities and sizes. Prerequisite: MUS 252 or consent of instructor. (Alt F)
- MUS 362 Orchestration and Arranging (3).** Functional knowledge of wind, string, fretted, and percussion instruments. Arranging and transcribing music for various instrumental ensembles. Prerequisite: MUS 252 or consent of instructor. (S)
- MUS 363 Language Diction I (2).** English and Italian pronunciation for singers, presented through the medium of the International Phonetic Alphabet. Prerequisite: Consent of instructor. (Alt F)
- MUS 364 Language Diction II (2).** German and French pronunciation for singers, presented through the medium of the International Phonetic Alphabet. Prerequisite: MUS 363 or consent of instructor. (Alt S)
- MUS 365 Piano Pedagogy I (3).** For piano majors and minors. Development of piano teaching skills; evaluation of major methods and materials, practical teaching experience. Prerequisite: MUS 265. (Alt F)
- MUS 366 Piano Pedagogy II (3).** For piano majors and minors. Piano teaching skills and materials with emphasis on supplementary sets. Problems of interpretation and technique, research on special topics, practical teaching experience. Prerequisite: MUS 365. (Alt S)
- MUS 367 Practicum in Piano Pedagogy (1).** Supervised teaching experience in the Preparatory Department; to be taken concurrently with MUS 365 and MUS 366. May be repeated for a maximum of 4 credits. Prerequisite: MUS 265. (F,S)
- MUS 375 Survey of Music Theatre (3).** An historical survey of Music Theatre from early operetta to modern musicals, with emphasis on American and British productions. Prerequisites: MUS 101 or 113 or consent of instructor. (Alt S)
- MUS 400* Review Seminar in Music History/Theory (1-4).** For graduate students whose Advisory Test results indicate need for undergraduate review in music history and/or music theory preparatory to graduate work. The area(s) of study will be individually planned for each student according to his/her special needs. (May be repeated for credit.)
- MUS 401 Vocal Literature I (2).** German Lied and Italian Art Song. (Alt F)
- MUS 402 Vocal Literature II (2).** French art song, song literature from the United States, England, Spain, Scandinavia and the Eastern Bloc countries. (Alt S)
- MUS 405 Music Theatre Production (1).** Practical experience and training activities involved with the technical production of music theatre. (May be repeated for credit.) (F,S)
- MUS 407 Senior Recital (1).** For bachelor of music degrees in performance. Prerequisite: Consent of instructor (F,S)
- MUS 408 Private Lessons for the Non-Major (1).** Studio instruction in voice, keyboard, percussion, string or wind instruments for students not majoring in music. (May be repeated for credit.) Prerequisite: consent of instructor; MUS 108 for piano majors; MUS 114 for voice majors..
- MUS 409 Applied Lessons: Secondary Instrument (1-3).** Private lessons for music majors on instruments (and voice) other than their principal instrument. (May be repeated for a maximum of 3 credits.) Prerequisite: consent of instructor. (F, S, Su)
- MUS 411 Conducting II (1).** Instrumental and choral conducting techniques emphasizing rehearsal procedures and score study; interpretation of expression and tempo markings, and foreign musical terms. Prerequisite: MUS 306 or consent of instructor. (F)

MUS 412 Assessment II (NC). Critique of musical performance by music faculty and outside professionals; oral presentation including written documentation to assess students' abilities, artistic identity, and future directions. (Juniors and seniors must enroll each spring semester). Prerequisite: MUS 212 or consent of instructor; music majors only. May be repeated. (F,S)

MUS 452 Form and Analysis (2). A study of the significant small and large formal structures displayed by the music of the eighteenth and nineteenth, and twentieth centuries. Prerequisite: MUS 252 or consent of instructor. (Alt F)

MUS 454 Senior Project (3). A documented project chosen by the student and directed by a faculty-approved committee for topic and content. Suggested options: lecture/recital; pedagogical project; electronic media project; research paper; or concert production. Prerequisite: Consent of advisor and Director of School of Music. (TBA)

MUS 459 Internship in Music (6). On-the-job training in a public or commercial institution. A minimum of eight weeks of training in an approved facility followed by a written report prepared under the supervision of the cooperating institution and the student's advisor. (F, S)

MUS 464 Chamber Music Performance (1). Options: Performance of piano ensemble literature; accompanying of degree recitals; performing in mixed ensembles. (May be repeated for credit.) (F, S)

MUS 468 Workshop in Music (1-3). As announced. (May be repeated for credit.)

MUS 471 Piano Literature I (2). Analysis of piano literature through Beethoven. Prerequisite: Completion of Sophomore Assessment (MUS 212). (Alt F)

MUS 472 Piano Literature II (2). Analysis of piano literature after Beethoven. (Alt S)

MUS 473 Rehearsal and Performance in Music Theatre (1). Substantial participation in music theatre productions through practical experience in performance assignments. (May be repeated for a maximum of 4 credits.) (F, S)

MUS 481 Vocal Pedagogy (3). Problems encountered by teachers of studio voice; demands individual study and research which encompasses the physiological and psychological approaches to teaching singing. (Alt F)

MUS 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 credits.) Prerequisite: Consent of instructor.

MUS 493 Topics in Music (1-3). As announced. May include topics related to theory, history, or performance. (May be repeated for credit.)

(MUED) MUSIC EDUCATION COURSES

MUED 223 High Brass Teaching Techniques (1). Skills and related information for teaching trumpet and French horn. (Alt F)

MUED 300 Jazz Methods (2). Jazz ensemble rehearsal techniques, and study of basic jazz arranging and improvisation. Study of basic jazz keyboard, bass, and drums in jazz and commercial idioms. Primarily for future music educators. (Alt F)

MUED 310 Woodwind Teaching Techniques I (1). Fundamental skills and related information for teaching woodwind instruments. Student must attain a basic proficiency on two instruments selected from: bassoon, clarinet, flute, oboe, and saxophone. (Alt F)

MUED 311 Woodwind Teaching Techniques II (2). Skills and related information for teaching woodwind instruments continued. Students must attain basic proficiency on three instruments other than those used for MUED 310 (Bassoon, clarinet, flute, oboe, and saxophone). Prerequisite: MUED 310 or consent of instructor. (Alt S)

MUED 312 Low Brass Teaching Techniques (2). Fundamental skills and related information for teaching trombone, euphonium, and tuba. (Alt S)

MUED 313 String Teaching Techniques (1). Fundamental skills for teaching string instruments. (S)

MUED 314 Percussion Teaching Techniques (2). Skills and related information for teaching percussion instruments. Students will meet three times a week for 2 credits. (Alt F)

MUED 323 String Methods and Materials (2). Individual and class methods of teaching string instruments. Conducting small ensembles and participation in actual teaching. (Alt S)

MUED 372 Techniques of Marching Band (2). Charting, arranging, organization and rehearsal techniques of the marching band. (F)

MUED 377 Music for Elementary Teachers (3). Methods, materials and procedures employed in teaching music; organized for the benefit of the classroom teacher.

MUED 378 Teaching Elementary School Music (3). Methods, materials, and procedures for teaching K-6 music with emphasis on areas covered by the music specialist, i.e., Orff, Kodaly, music reading, part singing. Includes ten hours of structured observation. Prerequisite: Music major or minor or consent of instructor. (Alt S)

MUED 403 Wind Ensemble and Band Literature (2). Survey of elementary through advanced literature. (S)

MUED 476 Teaching Secondary School Music (3). Methods and materials for organizing and rehearsing secondary school vocal and instrumental music classes and ensembles. Includes 10 hours of structured observations of public school music classes. Prerequisite: MUS 253, 254, and 306 or consent of instructor. (Alt S)

(NURS) NURSING COURSES

Students must take Nursing courses in thier numerical sequence, which reflects progressive development of core content.

NURS 300 Nursing Issues and Trends (3). Historical overview of the nursing profession from 1800 to the present. Includes economical, cultural, social, legal, and ethical issues, with the application of legal and ethical issues to varied client settings. (F)

NURS 305 BSN Basics (1). Knowledge and competencies basic to the nursing curriculum: Critical thinking; computerized databases; APA style; sequencing courses; adult learning behaviors. (F, S)

NURS 320 Pathophysiology in Nursing (3). Complex mechanisms of human disease processes, with application to nursing care of clients in various settings. (F)

NURS 330 Professional Bases for Practice (4). Integrates nursing process concepts with effective teaching concepts in multiple client settings. Includes nursing prognosis, critical thinking and communication skills. (F)

NURS 340 Nursing Theory (3). Overview of nursing theorists from Nightingale to the present. Includes theory development, evaluation of theories with the application of major theories of nursing practice in multiple client settings. (F)

NURS 350 Transcultural Nursing (3). Concepts of cultural competencies applied to nursing. Includes invidual assessment of clients in various settings. (S)

NURS 360 Health Assessment (4). Theory and skill development in physical and psychosocial assessment, history taking, data collection. Includes review of systems and physical examinations of clients in lab settings. (S)

NURS 400 Nursing Research and Informatics (3). Scientific inquiry; informatics in clinical decision-making; study design, methodologies, techniques of data collection and interpretation; using research in nursing practice. (S)

NURS 405 Health Policy (3). Issues affecting health policy; political and economic justifications for current local, state, and federal policies related to health promotion and disease prevention. (S)

NURS 415 Community Health Nursing (6). Integrated theory and practicum: Community-as-client; vulnerable aggregates; public health; epidemiology; community health assessment project; community service project. (F).

NURS 425 Nursing Leadership (6). Integrated theory and practicum. Ethical and effective nurse leadership and management including issues and functions of planning, organizing, staffing, and controlling. (S).

NURS 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours) Prerequisite: consent of instructor. (F,S)

NURS 493 Topics in Nursing (1-3). As announced. (May be repeated for credit if topics are different.) (Su)

(PHIL) PHILOSOPHY COURSES

PHIL 201 Introduction to Philosophy (3). Elementary problems and history of philosophy and the major philosophical systems.

PHIL 202 Introduction to Logic (3). Nature and structure of logical thinking with concrete applications.

PHIL 211 Ethics (3). Morality and principles of individual and social behavior; contemporary ethical issues. (F)

PHIL 268 Workshop in Philosophy (1-3). As announced. (May be repeated for credit.)

PHIL 293 Topics in Philosophy (1-3). As announced. (May be repeated for credit.)

PHIL/REL 312 Philosophy of Religion (3).

PHIL 321 Greek Philosophy (3). Concepts of Greek philosophers and selected readings from their works. (F)

PHIL 322 Medieval Philosophy (3). European philosophers through the 13th century. (F)

PHIL 331 Modern Philosophy (3). Western philosophical thinkers from the 14th century to the present. (S)

PHIL 332 American Philosophy (3). American philosophical thinkers with selected readings from their works. (S)

PHIL 404 Contemporary Problems of Philosophy (3). The areas of philosophy which relate to science, politics, and religion. (S)

PHIL 468 Workshop in Philosophy (1-3). As announced. (May be repeated for a maximum of 6 hours)

PHIL 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours)

PHIL 493 Topics in Philosophy (1-3). As announced. (May be repeated for a maximum of 6 hours)

(PHSC) PHYSICAL SCIENCE COURSES

PHSC 293 Topics in Physical Science (1-3). As announced. (May be repeated with permission of advisor.)

PHSC 493 Topics in Physical Science (1-3). As announced. (May be repeated with permission of advisor.)

(PHYS) PHYSICS COURSES

PHYS 113 Survey of Physics (3). Important concepts in physics and their application to the everyday world. A course designed for non-scientists with an emphasis on conceptual understanding. (F, S)

PHYS 113L Survey of Physics Laboratory (1). A two-hour optional laboratory designed to give a hands-on exploration of the basic concepts of physics introduced in the accompanying class. Concurrent enrollment: PHYS 113. (F, S)

PHYS 123 Physics of Music (3). Application of physical principles to understanding musical instruments as well as the human voice and auditory system. PHYS 123L optional. (Alt F)

PHYS 123L Physics of Music Laboratory (1). Experiments and activities to accompany PHYS 123. Concurrent enrollment with PHYS 123 required. (Alt F)

PHYS 141 Astronomy (3). An introduction to the sky and a survey of the objects in the violent universe from our own solar system to globular clusters, nebulae, galaxies and quasars. (S)

PHYS 141L Astronomy Laboratory (1). An optional laboratory investigation of physical principles relevant to understanding astronomical objects and the techniques of observational astronomy. Some lab sessions will meet at night. Concurrent enrollment: PHYS 141 or consent of instructor. (S)

PHYS 151 General Physics (3). The first semester of a two-semester non-calculus treatment of principles of mechanics, thermodynamics, electricity and magnetism, and optics. Primarily for pre-medical and pre-dental students and others requiring basic knowledge of physics. Prerequisite: knowledge of algebra including familiarity with trigonometry. Concurrent enrollment: PHYS 151L or consent of instructor. (F)

PHYS 151L General Physics Laboratory (1). Laboratory investigations related to lecture material. Meets three hours per week. Concurrent enrollment: PHYS 151 or consent of instructor. (F)

PHYS 152 General Physics (3). Continuation of PHYS 151. Prerequisite: PHYS 151/151L. Concurrent enrollment: PHYS 152L or consent of instructor. (S)

PHYS 152L General Physics Laboratory (1). Continuation of PHYS 151L. Meets three hours per week. Concurrent enrollment: PHYS 152 or consent of instructor. (S)

PHYS 201 Physics I (4). Calculus-based principles and technical applications in mechanics and heat. For the science and pre-engineering major. Concurrent enrollment: MATH 124, PHYS 201L; or consent of instructor. (F)

PHYS 201L Physics I Laboratory (1). Laboratory investigations related to lecture material. Meets three hours per week. Concurrent enrollment: PHYS 201. (F)

PHYS 202 Physics II (4). Calculus-based principles and technical applications in fluid mechanics, electricity, magnetism, wave motion and light. Prerequisite: PHYS 201/201L or consent of instructor. Concurrent enrollment: PHYS 202L, MATH 132. (S)

PHYS 202L Physics II Laboratory (1). Continuation of PHYS 201L. Meets three hours per week. Concurrent enrollment: PHYS 202. (S)

PHYS 268 Workshop in Physics (1-3). As announced. (May be repeated for a maximum of 4 hours)

PHYS 293 Topics in Physics (1-3). As announced. (May be repeated for credit.)

PHYS 301 Modern Physics (3). Empirical foundations of quantum mechanics including photoelectric effect, black body radiation, Bohr atom, wave-particle duality, Schrodinger's equation for simple models. Prerequisite: 1 year of introductory physics and 1 year of calculus or consent of instructor. (Alt S)

PHYS 303 Mechanics I (3). Kinematics and dynamics of particles using Newtonian and Lagrangian methods. Driven harmonic motion, normal modes of vibration and wave motion, Keplerian orbits, Rutherford scattering, and cross sections. Prerequisite: one year of college physics and at least two semesters of calculus, or consent of instructor. Recommended prerequisite: MATH 351. (Alt F)

PHYS 304 Mechanics II (3). This continuation of PHYS 303 covers relativity, non-linear dynamics, non-inertial frames, and introduction of the more powerful abstract methods of Lagrange, Hamilton, and Hamilton-Jacobi theory. Prerequisite: PHYS 303 or consent of instructor. (Alt S)

PHYS 305L Advanced Physics Laboratory (2). Practical experience in the design of experiments. Considerations of apparatus design and construction, error analysis, and technical feasibility. Prerequisite: PHYS 151/151L & 152/152L or PHYS 201/201L & 202/202L or consent of instructor. (Alt F)

PHYS 331 Optics (3). Concentration on physical optics, including the wave equation, special relativity, dispersion, interference, and polarization.. Prerequisite: one year of college physics and one semester of calculus, or consent of instructor. (Alt S)

PHYS 331L Optics Laboratory (1). Investigations employing lenses, mirrors, diffraction gratings, interferometers, and photodetectors. Concurrent enrollment: PHYS 331. (Alt S)

PHYS 401 Nuclear Physics (3). Experimental evidence and theories of nuclear physics; radioactivity, natural and artificial; nuclear reactions. Prerequisite: one year of college physics and one semester of calculus or consent of instructor. (Alt S)

PHYS/CHEM 406 Scientific Equipment Design (1). (Alt F)

PHYS/CHEM 406L Scientific Equipment Design Laboratory (1). Concurrent enrollment with PHYS 406. (Alt F)

PHYS/CHEM 411 Physical Chemistry I/Thermodynamics (3).

PHYS 421 Electricity and Magnetism (3). Vector calculus treatment of electrostatics, magnetostatics, properties of dielectrics and magnetic materials, Maxwell's equations, and electromagnetic radiation. Prerequisite: MATH 202, PHYS 152/152L, or PHYS 202/202L or consent of instructor. (Alt F)

PHYS 435 Quantum Physics (3). Applications of quantum theory to atomic physics, spin, and other topics. Prerequisite: PHYS 301 or consent of instructor. (Alt S)

PHYS 439 Teaching in Physics (1). Methods, resources, safety, and lesson plans in teaching physics lecture and laboratory. Prerequisite: PHYS 151/151L, 152/152L; senior standing with major or minor in science; and consent of instructor. Open only to students working toward teaching licensure. Concurrent enrollment in CHEM 439 and GEOL 439. (F)

PHYS/GEOL 450 Principles of Geophysics (3).

PHYS/GEOL 450L Geophysics Laboratory (1).

PHYS 465 Senior Research Report (2). Involves the writing and oral presentation of the results of designing, conducting, and reporting an original experimental or theoretical project. (F, S)

PHYS 468 Workshop in Physics (1-3). As announced. (May be repeated for a maximum of 6 hours)

PHYS/ANTH/BIOL/CHEM/GEOL 475 Scanning Electron Microscopy (2).

PHYS 481 Reading in Current Literature of Physics and Associated Fields (1). Methods for locating library materials; reading and reporting on topics selected by the student in current literature. Prerequisite: senior standing or consent of instructor.

PHYS 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours)

PHYS 493 Topics in Physics (1-3). As announced. (May be repeated for credit.)

(PSCI) POLITICAL SCIENCE COURSES

PSCI 101 Introduction to Political Science (3). A comparative introduction to the fundamental concepts of Political Science including ideologies, political culture, parties, institutions, and case studies of various political systems in regions of the world. (F, S)

PSCI 102 American National Government (3). American national government; formation and principles of the constitution; relation of state to the national government; political parties; structure of legislative, executive, and judicial branches; civil rights; current trends and issues. (F, S)

PSCI 200 Political Science Research Methods (3). Political Science research techniques. Emphasis will be on critical thinking and empirical methodology. (F)

PSCI 207 Introduction to Comparative Politics (3). The comparative study of contemporary political systems from all regions of the world. Comparative case study approaches are introduced. Various political systems are examined. (S)

PSCI 268 Workshop in Political Science (1-3). As announced. (May be repeated for a maximum of 6 hours)

PSCI 293 Topics in Political Science (1-3). As announced. (May be repeated for credit.)

PSCI 302 Constitutional Law (3). A study of American constitutional law dealing with presidential and congressional powers, individual rights and civil liberties. Prerequisites: PSCI 101, 102, or consent of instructor; 200 is recommended. (S)

PSCI 303 Comparative Foreign Policy (3). An examination of foreign policy analysis and theories. The foreign policies of several states are studied. Prerequisites: PSCI 101, 102, 207 or consent of instructor. (Alt S)

PSCI 304 International Relations (3). An examination of the field of international relations, including, but not limited to theories of state and non-state relations, conflict and cooperation, conflict resolution, international organizations, and international crises. Prerequisites: PSCI 101, 102, 207 or consent of instructor. (Alt F)

PSCI 306 Contemporary Political Ideologies (3). The study of both Western and non-Western Modern political ideologies as expressed by primary source authors. Communism, socialism, fascism, pan-Arabism, pan-Africanism, and liberal democracy are examined. Particular ideologically based regimes are studied. Prerequisites: PSCI 101, 102 or consent of instructor. (S)

PSCI 314 Legislative Behavior (3). A comparative study of the development of legislatures and legislative behavior in the United States and other countries. Prerequisites: PSCI 101, 102, or consent of instructor; PSCI200 is recommended. (Alt F)

PSCI 315 The Presidency (3). Development of the power of the United States presidency and its place in the national government. Prerequisites: PSCI 101, 102, or consent of instructor; PSCI 200 is recommended. (Alt S)

PSCI 321 Public Policy Process (3). A study of the process in which public needs are converted into actual programs, and the principles that govern this process. Prerequisites: PSCI 101, 102, or consent of instructor; PSCI 200 is recommended. (Alt F)

PSCI 332 Public Administration (3). Public sector administration and management; topics include budgeting, program planning, personnel relations, program evaluation, inter-governmental relations, and ethics. Prerequisites: PSCI 101, 102, or consent of instructor; PSCI 200 is recommended. (Alt F)

PSCI 401 Classical Political Thought (3). Ancient political thought of both the non-Western and Western worlds. Political thought from early civilizations and the Classical Age is covered. Prerequisite: PSCI 101, 102 or consent of instructor. (TBA once every four semesters)

PSCI 405 Issues in Public Administration (3). Major issues and problems facing public administrators, issues such as government ethics and budget cutbacks. Case studies are used to illustrate each issue. Prerequisites: PSCI 101, 102, 200, 332 or consent of instructor. (TBA once every four semesters)

PSCI 410 Public Policy Issues (3). Philosophical and political justifications for current national policies, and whether or not these policies are accomplishing their stated goals. Prerequisites: PSCI 101, 102, 200, 321 or consent of instructor. (TBA once every four semesters)

PSCI 411 Modern Political Thought (3). A study of the major political ideas and schools of thought that have inspired political movements and systems of government: liberal democracy, Marxism, Leninism, Feminism, Anarchism, and Fascism. Prerequisites: PSCI 101, 102 or consent of instructor. (Alt F)

PSCI 422 Political Parties and Elections (3). Origin, nature, principles, and policies of major parties; party procedures in the United States. Prerequisites: PSCI 101, 102, or consent of instructor; PSCI200 is recommended. (Alt F)

PSCI 443 Comparative Governments (3). The theory of comparative analysis. A study of both democratic and authoritarian states and regimes. Prerequisites: PSCI 101, 102, 207 or consent of instructor. (Alt F)

PSCI 464 Contemporary Problems (3). Current critical problems and issues in domestic and/or international relations. Prerequisites: PSCI 101, 102, 207 or consent of instructor. (TBA)

PSCI 468 Workshop in Political Science (1-3). As announced. (May be repeated for a maximum of 6 hours)

PSCI 473 Development Politics (3). The political economy of development in Lower and Middle income countries. Theories of political economy are studied. Prerequisites: PSCI 101, 102, 207 or consent of instructor. (Alt S)

PSCI 480 Political Science Senior Seminar (3). A senior level seminar designed to prepare students for advanced study in political science. Prerequisites: PSCI 101, 102, 200, senior standing; or consent of instructor. (S)

PSCI 487 Internship (3). The applied study of the political environment of public sector with work experience. Credit varies. Department approval necessary and only 3 hours can be used toward the PSCI major. Prerequisites: PSCI 102, 200, Political Science major, junior status, GPA 3.0, and department approval of assignment and credit hours. (May be repeated for a maximum of 6 hours with consent of instructor.) (F, S, SU)

PSCI 489 Advanced Political Science Methods (3). Advanced empirical methodological techniques. Emphasis on critical interpretation and writing. Prerequisites: PSCI 200, STAT 213. (TBA)

PSCI 491 Directed Study (1-3). As announced. (May be repeated for a maximum of 4 hours) Prerequisite: Consent of instructor.

PSCI 493 Topics in Political Science (1-3). As announced. (May be repeated for credit.)

(PSY) PSYCHOLOGY COURSES

PSY 101 Introductory Psychology (3). Psychology as the science of behavior. Physiological bases of behavior, sensation, perception, learning, emotion, and motivation.

PSY 134 Psychology of Adjustment (3). A study of the dynamics of human behavior from a life adjustment approach. Representative topics will include stress management, understanding personality, love, marriage, human sexuality, and death and bereavement. (F, S)

PSY 201 Child Psychology (3). Psychological, physiological, and social development of childhood. (S)

PSY 202 Adolescent Psychology (3). Psychological, physiological, and social development of adolescence.

PSY 300 Psychology of Adult Development (3). Psychological, physiological and social development of adulthood. Prerequisite: PSY 101. (S)

PSY 301 Paraprofessional Helping Skills (3). An action-oriented approach to the development of practical skills needed in a paraprofessional setting. Prerequisite: PSY 101. (F, S)

PSY/SOC 324 Social Psychology (3).

PSY 335 Introduction to Psychological Statistics (3). An introduction to descriptive and inferential statistics, as well as computer software packages, used to perform psychological research. Prerequisites: PSY 101; STAT 213. (F)

PSY 336 Experimental Psychology (3). Survey of research methods and design. Techniques in behavioral science, including reviewing techniques in the scientific research process, experimental design, and application of experimental design techniques to behavioral research. Prerequisite: PSY 335. (S)

PSY 355 Research in Psychology (3). Advanced application of scientific methods to the study of behavior. Experimental design and methodology, with application to specific student research projects. For majors who plan graduate work in Psychology. Prerequisite: PSY 335, 336 or consent of instructor. (S)

PSY 390 Systems and Theories of Psychology (3). Systematic and theoretical psychology; major contributions to psychology. Prerequisites: PSY 101, 335, 336. (Alt S)

PSY 400 Introduction to Psychometric Theory (3). A review of measurement techniques; a survey of psychological tests; an introduction to all phases of psychological testing; construction, evaluation, and interpretation of teacher-made and standardized tests. Prerequisites: PSY 101, 335. (Alt F)

PSY 402 Abnormal Psychology (3). Normal and abnormal behavior, etiology, psychodynamics, transient stress reactions, psychophysiological reactions, psychoneurotic reactions, and the functional psychoses. Prerequisites: PSY 101 and 6 additional credits in psychology or consent of instructor.

PSY/HIST 409 Teaching Social Studies (3).

PSY 411 Theories of Personality (3). Personality theories with emphasis on description, dynamics, and determinants of personality. Prerequisites: PSY 101; 201 or 202 or 300. (S)

PSY 421 Multicultural Psychology (3). Varieties and causes of individual, group, and multicultural differences. Prerequisites: PSY 101, 335, 336. (Alt F)

PSY 430 Seminar in Behavior Analysis (3). Discovering and generating differential diagnosis and/or treatment by focusing on the behavior of the individual; includes an analysis of the patterns of management, training, and therapy derived from contemporary learning theory. Prerequisites: PSY 101, 402. (F)

PSY 443 Theories of Psychological Counseling (3). Current theories of counseling and application. Prerequisites: PSY 101, 335, 336. (F,S)

PSY 452 Educational Psychology (3). Examination of basic educational processes: memory, learning, cognition, and instruction. cursory review of motivation, measurement, relevant tests, and exceptionalities. Prerequisites: PSY 101. (S)

PSY 467 Physiological Psychology (3). The relationship between psychological process and physiological activity; neurophysiological mechanisms present in behavior. Prerequisites: PSY 101; one Human Biology course. (F,S)

PSY 468 Workshop in Psychology (1-3). As announced.

PSY 481 Advanced Social Psychology (3). Advanced study of topics within Social Psychology; interpretation of published theoretical and empirical work. Prerequisite: PSY 324. (Alt F)

PSY 483 Field Placement (3-10). Field placement in an appropriate agency. Supervision by professional staff from a cooperating agency and the Department of Psychology faculty. Prerequisites: PSY 301 and consent of instructor. (F)

PSY 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 6 hours) Prerequisite: consent of instructor.

PSY 493 Topics in Psychology (1-3). As announced. (May be repeated for credit with consent of advisor.)

(REL) RELIGION COURSES

- REL 101 Old Testament Survey (3).** Survey of the history and religious traditions of ancient Israel; emphasis on the types of literature, cultural setting, and political and religious developments of the ancient world. (F, S)
- REL 103 New Testament Survey (3).** Survey of the history, literature, and content of the New Testament; emphasis on the historical background of the New Testament period, and the influence of the literature of Western Culture. (F, S)
- REL 105 Life of Christ (3).** The life, teachings, and work of Christ as set forth in the Synoptic Gospels. (S)
- REL 107 Introduction to Religion (3).** A study of Religion to include the universal forms of religious experience and expression and the classical forms of religious belief and practice. (F)
- REL 211 The Book of Acts (3).** The work of Peter and other early Christian leaders in Palestine; missionary journeys of Paul; spread of early Christianity beyond Palestine. (Alt F)
- REL 220 Biblical Perspectives on Relationships (3).** Application of Biblical ethics and values to contemporary relationships including singleness, marriage, and family life. Prerequisites: REL 101 and 103, or consent of instructor. (Alt F)
- REL 231 History of the Christian Church (3).** The history of Christianity from its inception to the present; influences which have resulted in the present situation; tendencies in the life of the church. Required for a major in religion. (F)
- REL 268 Workshop in Religion (1-3).** As announced. (May be repeated for a maximum of 6 hours)
- REL 293 Topics in Religion (1-3).** As announced. (May be repeated for credit.)
- REL 302 John: Gospel and Epistles (3).** The writings attributed to the Apostle John; his understanding of Christ and his contributions to the Christian message. Prerequisites: REL 101 and 103, or consent of instructor (S).
- REL 304 Paul: The Epistles (3).** The apostle Paul, his writings with reference to the gospel message as applied to the problems of his age. Prerequisites: REL 101 and 103, or consent of instructor. (F)
- REL 305 Historical Literature of the Old Testament (3).** A study of the historical books of the Hebrew Scriptures, from Genesis through Esther.
- REL 310 The Poetical Literature of the Old Testament (3).** Hebrew poetry with emphasis on the Book of Psalms. (Alt S)
- REL/PHIL 312 Philosophy of Religion (3).** Issues of religious thought, belief and practice; approached from a philosophical and historical perspective.
- REL 315 Prophetic Literature of the Old Testament. (3).** History, character, function and message of the Hebrew prophets.
- REL 320 Christian Ethics (3).** A study of Christian Ethics in both its historical and Biblical context. (Alt S)
- HIST/REL 324 The Renaissance and Reformation (3).**
- REL 331 History of Religion in America (3).** Religion in North America, especially the United States. Growth of various traditions; leaders in religious life and thought. (Alt S)
- REL 332 Preparation and Delivery of Sermons (3).** Techniques for preparing sermons and different methods of preaching; practical experience in preparation and delivery of brief original sermons before class members. (Alt S)
- REL 333 Psychology of Religion (3).** Issues of religious belief and practice in terms of understanding human development and behavior. (Alt F)
- REL 334 Revelation and Apocalyptic Literature (3).** Interpretation of the Book of Revelation and other apocalyptic literature, including the books of Daniel, Ezekiel, Zechariah, and Isaiah; comparison of Christian, Jewish, and Islamic themes in apocalyptic literature. (Alt F)

- REL 340 Religion and Science (3).** A course focusing on both the historic and contemporary dialog between religion and science; topics include evolution and creation, quantum theory, cosmology, epistemology, the nature of reality, and scientific ethics.
- REL 382 Counseling in Religion (3).** Needs and techniques of personal counseling with reference to religious values. (Alt S)
- REL 402 World's Living Religions (3).** Comparative study of the great religions functioning in the world today. (Alt F)
- REL 406 Pauline Writings I (3).** A study of First and Second Thessalonians and First and Second Corinthians. (Alt F)
- REL 410 Pauline Writings II (3).** A study of Galatians and Romans. (Alt S)
- REL/SOC 414 The Sociology of Religion (3).**
- REL 415 Pauline Writings III (3).** A study of the Prison Epistles and the Pastoral Epistles. (Alt F)
- REL 420 The General Epistles (3).** A study of Hebrews, James, I and II Peter, and Jude. (Alt S)
- REL/GR 423 Advanced Greek Translation and Exegesis (2).**
- REL/GR 424 Advanced Greek Translation and Exegesis (2).**
- REL 433 Biblical Archaeology (3).** Archaeology of the Near East, especially ancient Mesopotamia, Syria-Palestine and Egypt, with reference to Old Testament history. (Alt S)
- REL 450 Critical Introduction to the Old Testament (3).** The books of the Old Testament including authorship, date, historical background, purpose, canon, and text. (Alt F)
- REL 451 Critical Introduction to the New Testament (3).** The books of the New Testament; their probable chronological order including authorship, date, historical background, purpose, canon and text. (Alt S)
- REL 464 The Inter-Testamental Era (3).** A study of Jewish and Mediterranean religions, history, and literature during the period 500 BCE to 200 CE; emphasis on apocryphal and pseudepigraphal writings in English. (Alt S)
- REL 468 Workshop in Religion (1-3).** As announced. (May be taken for a maximum of 6 hours.)
- REL 491 Directed Study (1-3).** Independent Study. (May be repeated for a maximum of 4 hours)
- REL 493 Topics in Religion (1-3).** As announced. (May be repeated for credit.)
- REL 495 Senior Seminar (1).** Capstone course focusing on thematic or formal issues; emphasis on research, writing, and presentation of papers. Required of all religion majors. Prerequisite: junior or senior standing. (F)

(SOC) SOCIOLOGY COURSES

- SOC 101 Introductory Sociology (3).** General overview of the field, including basic concepts, perspectives, and approaches.
- SOC 212 Contemporary Social Issues (3).** Assessment of current social problems in USA.
- SOC 215 Marriage and the Family (3).** Social aspects of family living with emphasis on mate selection, courtship, engagement, marriage, and parenting in a changing society.
- SOC 268 Workshop in Sociology (1-3).** As announced. (May be repeated for a maximum of 6 hours)
- SOC 293 Topics in Sociology (1-3).** As announced. (May be repeated for credit.)
- SOC 302 Racial and Ethnic Relations (3).** Causes, patterns, and effects of antagonistic and unequal inter-racial, ethnic relations in society; prejudice, discrimination, racism racial and ethnic minorities. (F)
- SOC 305 Sex Roles in Society (3).** Concepts of masculinity and femininity, the socialization of sex roles, and the future of sex roles in America. Prerequisite: SOC 101 or PSY 101 or consent of instructor.

SOC 311 Collective Behavior (3). Behavioral patterns associated with social change and disorganization including crowds, masses, and public and social movements. Prerequisite: SOC 101.

SOC/CJ 312 Criminology (3).

SOC 315 Social Inequality (3). Analysis of divisions of society into hierarchically distinct class, status, and power groupings.

SOC 320 Social and Cultural Change (3). Nature, causes, processes, and consequences of societal and global change, including changes in technology, social relations, institutions, norms and values; considers past patterns, contemporary trends, future possibilities. Prerequisite: 3 hours of Sociology or related course. (S)

SOC/PSY 324 Social Psychology (3). Human interaction in social groups; the social aspects of human behavior. Prerequisite: SOC 101 or PSY 101.

SOC/CJ 340 Juvenile Delinquency (3).

SOC/ANTH 350 Medical Anthropology (3).

SOC 402 Development of Social Thought (3). Conceptions and images of society, community, and social relations in the past and in cross-cultural perspectives. Prerequisite: SOC 101.

SOC 411 Contemporary Sociological Theory (3). Major contributions to sociological theory during the twentieth century. Prerequisite: SOC 101.

SOC 413 Urban Sociology (3). Analysis of the city, its development, change, and impact on societies. Prerequisite: SOC 101.

SOC/REL 414 Sociology of Religion (3). The social, cultural, and institutional expression of religious phenomena. Prerequisite: three hours in SOC or REL.

SOC/FCS 415 Sociology of the Family (3). Family in social, cross-cultural, and historical context; family forms, functions, variations, contemporary trends and issues. Prerequisite: SOC 101. (S)

SOC/CJ 431 Deviant Behavior (3). The nature, types, and societal reactions to deviant behavior; includes deviant subcultures. Prerequisite: SOC 101 or CJ 102. (F)

SOC/CJ 432 Police and Society (3).

SOC/CJ 434 Introduction to Social Research (3). Basic methods of research in the social and behavioral sciences, including field observations, experiments, and the ethics of social research. Prerequisites: SOC 101 or CJ 102, STAT 213. (F,S)

SOC/EDF 435 Sociology of Education (3). Educational institution and problems in teaching practices in schools. Prerequisite: SOC 101.

SOC 468 Workshop in Sociology (1-3). As announced. (May be repeated for a maximum of 6 hours) Prerequisite: SOC 101.

SOC 489 Internship (4). Work in a specific organization under the supervision of a qualified person; usually will not involve remuneration—cannot be part of the student's regular occupation. Credit hours earned cannot be used to satisfy major or minor elective requirements in sociology. Prerequisites: SOC 402 or 411, SOC 434, approval of agency, and consent of instructor.

SOC 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours) Prerequisite: SOC 101.

SOC 493 Topics in Sociology (1-3). As announced. (May be repeated for a maximum of 6 hours) Prerequisite: SOC 101.

(SPAN) SPANISH COURSES

SPAN 101 Beginning Spanish (4). Development of speaking, reading and writing skills and introduction to linguistic structures, in a cultural context. (F)

SPAN 102 Continuation of Beginning Spanish (4). Continuation of SPAN 101. Prerequisite: SPAN 101. (S)

SPAN 105 Beginning Spanish: Native Speaker (3). The first in a sequence of two semesters designed for Spanish speakers of the Southwest. Intensive work to develop the skills of conversation, reading, and writing, concentrating on local dialects. (F)

SPAN 201 Intermediate Spanish (3). Grammar review, conversation, and reading at the intermediate level. Prerequisite: SPAN 102, 105, or Placement Test. (F)

SPAN 202 Continuation of Intermediate Spanish (3). Continuation of SPAN 201. Prerequisite: SPAN 201. (S)

SPAN 205 Intermediate Spanish: Native Speaker (3). Continuation of SPAN 105, for Spanish speakers of the Southwest. Intensive work to develop the skills of conversation, composition, and reading, concentrating on the relationship between local dialects and World Spanish. Prerequisite: SPAN 105. (S)

SPAN 268 Workshop in Spanish (1-3). As announced. (May be repeated for credit.)

SPAN 293 Topics in Spanish (1-3). As announced. (May be repeated for credit.)

SPAN 301 Translation & Interpretation (3). Practice in translating various prose styles, including journalistic and literary, from Spanish to English and vice versa. Oral interpretation techniques. Prerequisite: SPAN 311. (TBA)

SPAN 310 Spanish for Professional Personnel (3). Develop the Spanish vocabulary necessary for work in a specific field. Professional areas change as announced: A. The Medical Professions, B. Educators, C. Business, D. Social Work, E. Criminal Justice, F. Law and the Courtroom. Prerequisites: SPAN 201/202, 205, or consent of instructor.

SPAN 311 Advanced Conversation and Composition (3). Intensive conversation. Composition and grammar review. Co-requisite: SPAN 202 or 205, or consent of instructor. (S)

SPAN 325 Peninsular Culture and Civilization (3). Intellectual, cultural, and historical background of the Spanish people. Prerequisite: SPAN 311. (Alt F)

SPAN 326 Latin American Culture and Civilization (3). Cultural and historical background of the Latin American peoples from the fifteenth to the twentieth centuries. Prerequisite: SPAN 311. (Alt F)

SPAN 331 Survey of Latin American Literature (3). Latin American literature, its history and major works. Prerequisite: SPAN 311. (Alt F)

SPAN 332 Survey of Latin American Literature (3). Later Latin American literature, its history and major works. Prerequisite: SPAN 311. (Alt S)

SPAN 351 Survey of Peninsular Literature (3). Peninsular literature, its history and major works. Prerequisite: SPAN 311. (Alt F)

SPAN 352 Survey of Peninsular Literature (3). Contemporary Peninsular literature, its history and major works. Prerequisite: SPAN 311. (Alt S)

SPAN 402 Latin American Poetry (3). Latin American poets with varying emphases and subtitles: A. Modernismo, B. Enfoque nacional, C. Grandes poetas, D. Mujeres poetas de Latinoamerica. (May be repeated for credit with consent of instructor.) Prerequisites: SPAN 311. (TBA)

SPAN 403 Latin American Prose (3). Prose works of internationally known Latin American authors with varying emphases and subtitles: A. Enfoque nacional, B. Grandes autores, C. Autoras de Lationamerica, D. El Cuento, E. La narrativa del "Boom"/post "Boom". (May be repeated for credit with consent of instructor.) Prerequisites: SPAN 311. (TBA)

SPAN 405 Intensive Grammar Review (3). Review of Spanish grammar; review of modern approaches to teaching grammar with emphasis on stylistics and composition. Prerequisite: consent of instructor.

SPAN 427 Twentieth Century Spanish Literature (3). A close study of Peninsular literature, with varying emphases and subtitles: A. Poesia, B. Teatro, C. Narrativa, D. La Generacion de '98, E. La Pos-guerra, F. Grandes Autores. (May be repeated for credit with consent of instructor.) Prerequisites: SPAN 311. (TBA)

SPAN/FR 436 Teaching of Modern Languages (3). For students certifying in elementary and/or secondary education as language teachers. (Alt S)

SPAN 451 Spanish Linguistics (3). Spanish phonetics and the history of the Spanish language. Prerequisite: SPAN 311. (Alt F)

SPAN 468 Workshop in Spanish (1-3). As announced. (May be repeated for credit.)

SPAN 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours) Prerequisite: Consent of instructor.

SPAN 493 Topics in Spanish (1-3). As announced. (May be repeated for credit.)

(STAT) STATISTICS COURSES

STAT 115 Introduction to Statistics and Computer Programming (3). Statistics and the application of elementary computer programming to statistical problems.

STAT 213 Statistical Methods I (4). Beginning course in basic statistical methodology: measures of central tendency, variability, and association; probability and sampling distributions; estimation of parameters and testing hypotheses. Prerequisite: Satisfactory ACT/SAT score or MATH 107 with a grade of C or better. (F,S)

STAT 268 Workshop in Statistics (1-3). As announced. (May be repeated for a maximum of 6 hours)

STAT 293 Topics in Statistics (1-3). As announced. (May be repeated for credit.)

STAT 313 Statistical Methods II (3). One and two sample tests and confidence intervals for proportions; correlation and regression methods; analysis of variance. Prerequisite: STAT 213. (F)

STAT 314 Nonparametric Methods (3). Distribution-free techniques, based on order statistics and ranks; nonparametric tests of statistical hypotheses. Prerequisite: STAT 213. (Alt S)

STAT 315 Survey Sampling Methods (3). Basic sampling designs (random, cluster, stratified, multi-stage); selection of the appropriate design and sample size. A survey will be undertaken by the class. Prerequisite: STAT 213. (Alt F)

STAT 403 Probability and Mathematical Statistics I (3). Probability theory, discrete and continuous probability distributions, mathematical expectation, and moment generating functions. Prerequisite: MATH 132 with a grade of C or better. (Alt F)

STAT 404 Probability and Mathematical Statistics II (3). The theory of estimation, prediction, and hypothesis testing. Prerequisite: STAT 403.

STAT 431 Design of Experiments (3). The design and analysis of statistical experiments and the theory of linear models; analysis of variance techniques. Prerequisite: STAT 313.

STAT 432 Statistical Packages (3). Large data set analyses with the aid of the programmed statistical package SAS (Statistical Analysis System). Prerequisite: STAT 431.

STAT 468 Workshop in Statistics (1-3). As announced. (May be repeated for a maximum of 3 hours)

STAT 491 Directed Study (1-3). Independent study. (May be repeated for a maximum of 4 hours) Prerequisite: Consent of instructor.

STAT 493 Topics in Statistics (1-3). As announced. (May be repeated for credit.)

(THTR) THEATRE COURSES

THTR 111 Theatre Appreciation (3). For Non-Majors. Basic theories of performance arts as applied to theatre and film. Includes application through discussion of acting, audiences, stage craft, scenic and costume design and dramatic criticism. (F,S)

THTR 117 Freshman Dramatic Studies (6). Fundamentals of Theatre Arts as applied through performance and analytical venues. Includes analysis of dramatic form and structure as well as principles of stage movement and basic problems common to all performers. (F)

THTR 121 Beginning Acting (3). Techniques, principles of stage movement, and basic problems common to all actors. (F,S)

THTR 122 Voice for the Performer (3). Fundamentals of voice production for the stage. Includes emphasis in vocal placement, breath control, articulation, posture and energy extension. (S)

THTR 140 Freshman Technical Seminar (6). Theory and practice of scenic, lighting and Costume Design via unified conceptual and analytical approach. Drafting and art supplies required. (S)

THTR 205 Technical Production (2). Practical experience and training in activities involved with the technical production of theatre. (May be repeated for credit.) (F,S)

THTR 206 Rehearsal and Performance (1). Substantial participation in theatre productions through practical experience in performance assignments. (May be repeated for credit.) (F,S)

THTR 212 Theatrical Makeup (2). Theory and practice of make-up design and application for the stage, motion picture, and television. Make-up supplies required. (F)

THTR 221 Intermediate Acting (3). Development of voice, body, mind and emotions. Practice in dramatic situations stressed. Prerequisite: THTR 117 or THTR 121. (F)

THTR 268 Workshop in Theatre (1-3). As announced. (May be repeated for credit.)

THTR 270 Children's Theatre in Performance (3). Explores the process of developing a production by and for children. Topics to be studied include creative dramatics, rehearsal games and techniques as well as youth performance. (Su)

THTR 271 Children's Theatre in Production (3). Explores the process of developing a production by and for children. Topics to be studied include creative dramatics, rehearsal games and techniques as well as youth performance. (Su)

THTR 293 Topics in Theatre (1-3). As announced. (May be repeated for credit.)

THTR 296 Theatre Internship (2-6). Supervised practical internship in departmentally approved stock and/or repertory theatre experiences. As announced. (May be repeated for credit.) Prerequisite: Application to departmental Internship and consent of Department.

THTR 312 Basic Stage Directing (3). Fundamental elements of directing the movements, business, and emotions of the actor in the play. (Alt S)

THTR 321 Advanced Acting (3). Advanced problems in acting; continued coordination of mind, body, and voice; includes movement for the actor, period style, and advanced techniques in scene study. Prerequisite: THTR 221. (S)

THTR/ENG 324 Workshop in Playwriting (3). Fundamental techniques of playwriting through theoretical studies and practical exercises. Special emphasis on the evolution of the playscript from first draft to finished performance.

THTR 340 Design Seminar (6). Theory and practice of scenic, lighting and costume design via a unified and analytical approach. Drafting and art supplies required. Prerequisite: THTR 140 or consent of instructor. (F)

THTR 345 History of Dress and Décor (3). Overview of major historical fashion and architectural movements with special emphasis on their application to theatrical productions. (Alt S)

- THTR 405 Technical Production (2).** Practical experience and training in activities involved with the technical production of theatre. (May be repeated for credit.) (F,S)
- THTR 406 Rehearsal and Performance (1).** Substantial participation in theatre productions through practical experience in performance assignments. (May be repeated for credit.) (F,S)
- THTR 412 Advanced Stage Directing (3).** Directing for the stage; includes advanced scene work techniques and modern trends in directing theories. Prerequisite: THTR 312 or consent of instructor. (TBA)
- THTR 422 Styles in Acting (3).** A laboratory for advanced actors applying traditional modern techniques of scene work taken from the dramatic literature of various historical periods. Prerequisite: THTR 321. (Alt S)
- THTR/ENG 425 Dramatic Literature (3).**
- THTR 431 Theatre History I (3).** Theatre and Theatre Arts from the Greeks through the Renaissance. (Alt F)
- THTR 432 Theatre History II (3).** Theatre and Theatre Arts from the Restoration to the 20th century. (S)
- THTR 433 Theatre History III (3).** Theatre and Theatre Arts from the 20th century to the present. (F)
- THTR 434 Theatrical Scene Painting (3).** Scene painting for the Theatre employing classical and contemporary methodology. Drafting and art supplies required. (Alt S)
- THTR 440 Theatre Design Practicum (3).** Practical experience in the design of scenic, lighting, costume, or audio elements for the Theatre. Prerequisite: THTR 340. (F, S)
- THTR 468 Workshop in Theatre (1-3).** As announced. (May be repeated for credit.)
- THTR 470 Children's Theatre in Performance (3).** Explores the process of developing a production by and for children. Topics to be studied include creative dramatics, rehearsal games and techniques as well as youth performance. (Su)
- THTR 471 Children's Theatre in Production (3).** Explores the process of developing a production by and for children. Topics to be studied include creative dramatics, rehearsal games and techniques as well as youth performance. (Su)
- THTR 491 Directed Study (1-3).** Independent study. (May be repeated for a maximum of 4 credits.)
- THTR 493 Topics in Theatre (1-3).** As announced. (May be repeated for credit.) Prerequisite: consent of the instructor.
- THTR 496 Theatre Internship (2-6).** Supervised practical internship in departmentally approved stock and/or repertory theatre experiences. As announced. (May be repeated for credit.) Prerequisite: application to departmental Internship and consent of Department.
- THTR 499 Major Recital (3).** A performance of artistic exhibition demonstrating efficiency in a particular theatrical art. Required of all BFA majors with emphasis in theatre (excluding Theatre Education) during their senior year. Prerequisite: Consent of instructor. (F,S)

(UNIV) UNIVERSITY COURSES

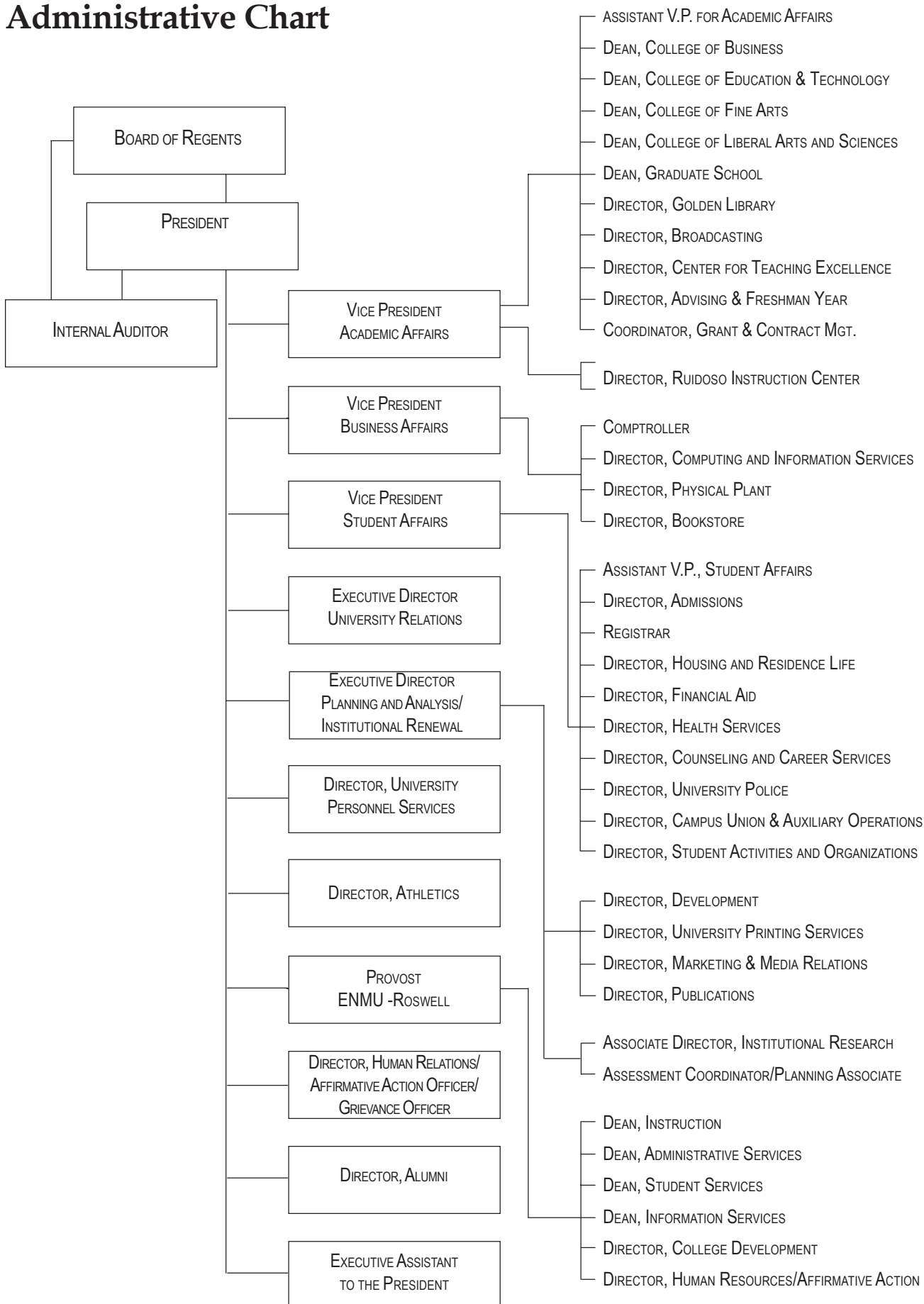
- UNIV 100 College Success Skills (1).** Designed to improve academic standing, this course focuses first on assessment of student's academic strengths and then on enhancement of individual skills and goals that support college success. (F, S) (Credit not applicable to baccalaureate or associate degrees.)
- UNIV 101 Freshman Seminar (3).** Aiding academic and social transition to the University, this required interdisciplinary course focuses on critical thinking, research, and writing; social issues for new students; exploration of campus resources; and community building. (F, S)

EASTERN NEW MEXICO UNIVERSITY



Administration
Faculty and Professional Staff
Emeriti Faculty
Index

Administrative Chart



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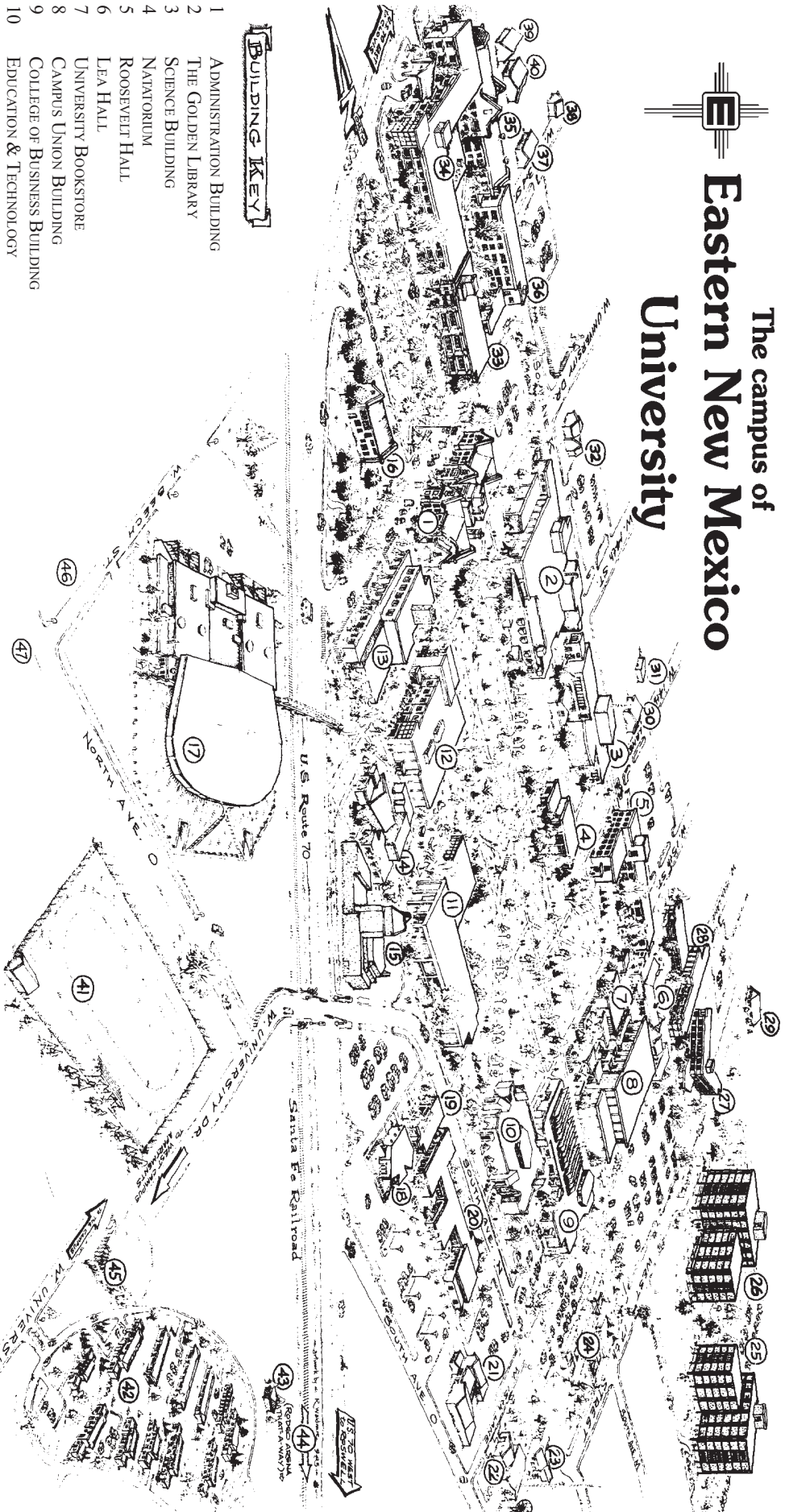
INDEX

- Abbreviations 29
- Academic Advising 28
- Academic Integrity 21
- Academic Regulations 20
- Accounting
 Courses 104
 Program 35
- Accreditation 3
- ACT Credit Exam Program 25
- Admission
 Graduate 9
 International Student 10
 Non-degree 10
 Programs for Military Personnel 10
 Residency 14
 Secondary (High School) Students 11
 Standards 11
 to Teacher Education 40
 Undergraduate 9
- Advanced Placement Examinations 25
- Adult Re-entry 16
- Agriculture
 Courses 104
 Program 47
- Agricultural Business 35
- Allied Health Sciences 66
- Anthropology
 Courses 105
 Program 71
- Anthropology and Applied Archaeology,
 Dept. of 71
- Applied Economics
 Courses 118
 Program 35
- Art
 Courses 106
 Dept. of 54
 Programs 55
- Arts, Visual and Performing 19
- Associated Students 18
- Athletic Training Certification 52
- Attendance Policy 22
- Audit (Non-credit) 22
- Bilingual Education
 Courses 118
 Programs 45
- Biology
 Courses 108
 Dept. of 72
 Programs 72
- Bookstore 17
- Broadcast
 Journalism 75
 Production 75
- Business Administration
 Courses 110
 Program 36
- Business Affairs, Office of 16
- Business, College of 34
- Business Education
 Courses 111
 Programs 36
- Business/Marketing Education 37
- Career Services 16
- Catalog of Record 20
- Center for Teaching Excellence 8
- Change of Campus, Intra University 11
- Chemistry
 Courses 111
 Program 89
- Chemical Physics 90
- Child Development Center 13
- Choral Education 60
- Class Load, Student 21
- Classification 21
- Clemency Policy 20
- CLEP 23
- Commencement 21
- Communication
 Courses 113
 Dept. of 75
 Programs 75
- Communicative Disorders
 Courses 115
 Program 68
- Composite Major 28
- Computer Information Systems
 Courses 115
 Program 37
- Computer Science
 Courses 116
 Program 86
- Cooperative Education 16
- Counseling and Testing Center 16
- Course
 Challenging 24
 Drop/Add/Withdrawal 13, 24
 Independent Study 24
 Numbering 21
 Repeat of 24
- Credit
 Academic 21
 Acceptance 9
 ACT 25
 Advanced Placement 25
 CLEP 23
 Evaluation of Transfer 9
 by Examination 24
 Military Service 11
 Transfer Grades 9
- Criminal Justice
 Courses 117
 Program 100
- Cum Laude 23
- Dance
 Courses 117
 Program 62
- Delinquent Accounts, Student
 Collection Agencies 14
- Design, Graphic 54
- Degree
 Plans 20, 28
 Programs 27
 Second 21
- Degree Requirements
 Associate 28
 Bachelor of Arts 28
 Bachelor of Arts in Education 43
 Bachelor of Business
 Administration 35, 36
 Bachelor of Fine Arts 54
 Bachelor of Music 58
 Bachelor of Music Education 60
 Bachelor of Science in Nursing 69
 Bachelor of Science 28
 Bachelor of Science
 in Education 43, 44
 Bachelor of University Studies 81
- Developmental Studies 21
- Disabilities Services,
 for Students with 16
- Distance Education 7
- Drop/Add 24
- Early Childhood Education 49, 50
- Economics
 See Applied Economics/Finance
- Education, School of 39
- Education and Technology,
 College of 39
- Education Foundations Courses 118
- Electronics Engineering Technology
 Courses 121
 Program 87
- Elementary Education
 Courses 119
 Licensure 40, 41
 Program 43
- Elementary Music Education 61
- Emeriti Faculty 155
- Emphasis 31
- Engineering Courses 123
- English
 Courses 122
 Program 83
- ENMU-Roswell 7
- ENMU-Ruidoso Off-Campus
 Instruction Center 7
- Exchange Study Courses
 International Educational
 Exchange 19
 National Student Exchange 19
- Family Privacy Act 11
- Family and Consumer Sciences
 Courses 123
 Program 48
- Family Consumer Sciences and
 Agriculture, Dept. of 47
- Fashion Merchandising 49
- Federal Supplemental Educational
 Opportunity Grant 15
- Fees 13
- Finance
 See Applied Economics/Finance
- Financial Aid 15
 Course Withdrawal 24
 Stafford (formerly GSL) 15
 Pell Grant 15
 Perkins Loan (formerly NDSL) 15
 PLUS Loans 15
 Student Incentive Grant 15
 Federal Supplemental Educational
 Opportunity Grant (FSEOG) 15
 Work Study Programs 15
- Fine Arts, College of 53
- Fine Arts Minor 56
- Food Service 17
- Fraternities 19
- French
 Courses 125
 Program 84
- Freshman Seminar
 Description 20
 Courses 143
- General Education
 Philosophy Statement 20
 Requirements 30
 Teaching Degree General
 Education Requirements 42

General Studies (AA)	81	Languages and Literature Dept.	83	Program	97
Geochemistry	90	Liberal Arts and Sciences,		Pre-Dentistry	67
Geography		College of	64	Pre-Forestry	48
Courses	126	Licensure, Teacher	40, 41	Pre-Medicine	66
Program	71	Loans, Student	15	Pre-Pharmacy	67
Geology				Pre-Physical Therapy	67
Courses	126	Magna Cum Laude	23	Pre-Physician Assistant	66
Program	92	Major		Pre-Veterinary	67
Geophysics	93	Changing of	28	Privacy Act	11
Grades		Declaration of	28	Probation, Academic	23
Correction of	22	Management		Professional/Technical Writing	84
Grade points	22	Courses	131	Psychology	
Grading System	22	Marketing		Courses	139
Incomplete	22	Courses	133	Program	98
Probation	23	Program	38	Psychology, Sociology & Criminal Justice	
S/U	22	Marketing Education	35	Dept. of	98
Review Policy	23	Mathematics		Public Relations	76
Suspension	23	Courses	132		
Graduate School	7	Program	85	Reading Education Courses	119
Graduate Study by		Mathematical Sciences, Dept. of	85	Refund Schedule	14
Undergraduate Students	21	Medical Insurance	17	Religion	
Graduation	21	Medical Technology	66	Courses	140
Grants	15	Military Service Credit	11	Dept. of	102
Greater Southwestern Studies	81	Minor	28	Program	102
Greek		Mission Statement	6	Repeat of a Course	24
Courses	127	Modern Languages	84	Residence Halls (see Housing)	
Program	102	Multicultural Activities	16	Residency	13
Guaranteed Loans		Multicultural Affairs	16	Room and Board	14
(GSL-Stafford Loan)	15	Museums	6	Roswell Campus	7
		Music		Ruidoso Instruction Center	7
Handicapped Students		Courses	134		
(see Disabilities Services and		Programs	57	Scholarships	15
Trio Programs)		School of	57	Second Degree	21
Hebrew Courses	130	Music Business	57	Secondary Education	
Health and Physical Education		Music Education		Courses	120
Courses	128	Courses	136	Licensure	43, 44
Dept. of	51	Programs	60	Social Studies	79, 99
Program	51	Music Technology	61	Sociology	
Health Services	17			Courses	140
High School Core Requirements	9	National Student Exchange		Program	100
History		Courses	123	Sororities	19
Courses	130	Program	19	Spanish	
Program	79	Non-credit (Audit)	22	Courses	141
History and Humanities		Non-degree Status	10	Program	84
Dept. of	79	Nursing		Special Education	
Home Economics		Courses	136	Courses	120
(see Family and Consumer Sciences)		Dept. of	69	Licensure	44
Honors		Programs	69	Special Support Services	16
Courses	131			Speech	76
Graduation	23	Off-Campus Instruction	7	Sports	19
Program	23	Pell Grant	15	Stafford Loans	15
Scholastic	23	Perkins Loan (NDSL)	15	Statistics	
Housing Services	16	Philosophy		Courses	142
Human Resource Management	38	Courses	137	Program	85
Humanities		Program	79	Student Affairs, Office of	16
Courses	131	Physical Education		Student Class Load	21
Program	79	(see Health and Physical Education)		Student Conduct	18
		Physical Sciences		Student Designed	
Institutional Assessment	21	Courses	137	Educational Program	32
Instrumental		Dept. of	89	Student Government	18
Performance	58	Program	89	Student Incentive Grant	15
Interdisciplinary Programs	81	Physics		Student Life/Auxiliary Services,	
International Business	36	Courses	137	Office of	18
International Educational Exchange		Program	95	Student Outcome Assessment	21
Courses	123	Piano	61	Student Publications	18
Program	19	Piano Performance	58	Student Services and Activities	19
International Student Admission	10	PLUS Loans	15	Student Teaching	40
		Police University	18	Subject Matter Endorsement Area/Minor	
Journalism	76	Political Science		Definition of	31
		Courses	138	with Elementary Licensure	43
Language Arts	45	Dept. of	97	with Secondary Licensure	44
				with Special Education Licensure	44

Summa Cum Laude	23
Suspension, Academic	23
Talent Search	16
Teacher Education Programs	40
Telecommunication	77
Theatre and Dance, Dept. of	62
Theatre	
Courses	142
Program	62
Theatre Education	63
Theatre Performance	62
Transfer	
Acceptance of Credit	9
Catalog of Record	9
Evaluation of Credit	9
Trio Programs	16
Tuition and Fees	
Methods of Payments	14
Reduction Policy	14
Refund Appeals Procedure	14
Refund Policy	14
Room and Board	14
Special Fees	13
Tutoring	16
University	
Administration	147
Calendar	4
Faculty	149
History	6
Map	160
Mission	6
Organizational Chart	146
Professional Staff	153
University Studies	81
Veterans' Standards of Progress	25
Vision Statement	6
Visual Arts	19
Vocal Performance and Pedagogy	59
Wildlife and Fishery Sciences	73
Withdrawal	
Courses	13, 24
Financial Responsibility	13
University	13, 24
Women's Studies	81

The campus of Eastern New Mexico University



BUILDING KEY

- 1 ADMINISTRATION BUILDING
- 2 THE GOLDEN LIBRARY
- 3 SCIENCE BUILDING
- 4 NATATORIUM
- 5 ROOSEVELT HALL
- 6 LEA HALL
- 7 UNIVERSITY BOOKSTORE
- 8 CAMPUS UNION BUILDING
- 9 COLLEGE OF BUSINESS BUILDING
- 10 EDUCATION & TECHNOLOGY
- 11 JACK WILLIAMSON LIBERAL ARTS
- 12 MUSIC BUILDING
- 13 STUDENT ACADEMIC SERVICES
- 14 UNIVERSITY COMPUTER CENTER
- 15 UNIVERSITY THEATRE CENTER
- 16 ROOSEVELT COUNTY MUSEUM
- 17 GREYHOUND ARENA
- 18 CHILD DEVELOPMENT CENTER
- 19 HOME ECONOMICS CENTER
- 20 TECHNOLOGY BUILDING
- 21 PHYSICAL PLANT/PURCHASING
- 22 BROADCAST CENTER
- 23 MILITARY SCIENCE CENTER
- 24 UNIVERSITY TENNIS COURTS
- 25 BERNALILLO HALL
- 26 LINCOLN HALL
- 27 EDDY HALL
- 28 CHAVES APARTMENTS
- 29 COPE CENTER
- 30 WESLEY HOUSE
- 31 UNIVERSITY CATHOLIC CENTER
- 32 BAPTIST STUDENT UNION
- 33 HARDING HALL
- 34 DEBACA HALL
- 35 QUAY HALL
- 36 CURRY HALL
- 37 UNIVERSITY POLICE
- 38 TRINITY CHAPEL
- 39 CHURCH OF CHRIST HOUSE
- 40 CAMPUS CHRISTIAN HOUSE
- 41 UNIVERSITY TRACK
- 42 WEST CAMPUS APARTMENTS
- 43 FOOTBALL FIELD HOUSE
- 44 LEWIS COOPER RODEO ARENA
- 45 BASEBALL FIELD
- 46 UNIVERSITY STORAGE
- 47 PRESIDENT'S RESIDENCE
- 48 OFF CAMPUS FACILITIES
- 49 BLACKWATER DRAW SITE
- 50 5 MILES NORTH ON Hwy 467
- 51 7 MILES EAST ON Hwy 70
- 52 GREYHOUND STADIUM
- 53 7 MILES EAST ON Hwy 70